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# CLIMATOLOGICAL MEMORANDUM N°43A

1931—60 Monthly, seasonal and annual maps of mean daily maximum, mean daily minimum, mean temperature and mean temperature-range over the British Isles

by

R.E.Booth

ological Services(Met.O.3)

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METEOROLOGICAL OFFICE

CLIMATOLOGICAL MEMORANDUM NO. 43A

# 1931-60 Monthly, Seasonal and Annual Maps of Mean Daily Maximum, Mean Daily Minimum and Mean Range of Temperature over the British Isles

R. E. Booth

The maps contained in Climatological Memorandum No. 43 have been revised and amended in the light of further information. For Great Britain and Northern Ireland, they are based on Met O 735. - Averages of Temperature for Great Britain and Northern Ireland. For the Republic of Ireland, they are based on data kindly supplied by the Director of the Meteorological Service, Republic of Ireland, whose co-operation with the Director-General of the Meteorological Office is gratefully acknowledged.

The data were obtained from daily readings, at some 250 stations, of maximum and minimum thermometers exposed in Stevensons screens, or screens of a similar type, over short grass, the bulbs of the thermometers being approximately 1.25 metres above ground level. At some stations the maximum and minimum thermometers are read and set only once a day, at 0900 GMT. The maximum temperature is then credited to the previous day so that the temperatures entered against any particular day are the 24 hour extremes ending at 0900 GMT the following day. The monthly mean maximum and minimum temperatures are the sum of these 0900-0900 GMT temperatures divided by the number of days in the month. At most other stations the maximum and minimum thermometers are read and set twice a day, at 0900 and 2100 GMT. When two daily readings are available the monthly mean maximum temperature is the mean of the readings at 2100 GMT (i.e. the day maxima for 0900-2100 GMT) and the monthly mean minimum is the mean of the readings at 0900 GMT (i.e. the night minima for 2100-0900 GMT).

The averages refer exclusively to the period 1931-60 with values for missing intervals, in no case exceeding seven years in all, having been computed by reference to the nearest stations with comparable values. For a few stations minor adjustments have been made for small changes in site or changes in the hour of observation, but this has not been generally possible. The mean temperature is taken as the arithmetic mean of the mean daily maximum and mean daily minimum temperature, i.e. $\frac{1}{2}$(max + min) before correction to mean sea level.

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This is a good approximation, but is, on the average, 0.3°C above the mean of the 24 hourly readings.

The final values of the mean daily maximum and mean daily minimum and also of the mean temperatures have been corrected to mean sea level before being plotted on the maps. A decrease of temperature with height of 0.6°C for every 100 metres, (as used for the mean temperature maps in the Monthly Weather Report) has been used throughout this memorandum in making height corrections. The corrections have been applied to eliminate variations due to altitudes which would have made the maps as complicated as orographic ones. In order, therefore, to make an estimate of maximum, minimum or mean temperature for any place, the reader will need to subtract 0.6°C for each 100 metres of its altitude from the interpolated value obtained from one or other of the maps. The temperature range maps are based on daily maximum and daily minimum temperatures, meaned over the month, but uncorrected for altitude. The difference between these two mean temperatures is the temperature range used for the maps; this range therefore refers to surface values and not to values corrected to mean sea level. These maps give a good approximation of the range of temperature to be expected in a particular area, but in sheltered hollows the extremes are likely, on average, to be much greater.

For the seasonal maps winter is taken as December, January and February, spring as March, April and May, summer as June, July and August, and autumn as September, October and November.

Maps similar to those in this memorandum, but for the period 1921-50, are available for comparison in Climatological Branch Memorandum No.3. Averages for periods from 10 to 30 years ending 1930 are published in M.O.364 and for similar periods ending 1935 in M.O.407. These publications are now out of print but are available in the Meteorological Office Library, Bracknell.

Comparison of the 1931-60 averages of daily mean temperature, $\frac{1}{2}$(max + min), with those of the 30-year period 1921-50, shows that over the year as a whole, the averages for the two periods are about the same, but that mid-winter temperatures (January) are inclined to be a little lower, and that the late spring and early summer temperatures (April-June) a little higher in the period 1931-60. If, however, the 1931-60 averages are compared with those of 1901-30, it will be noted that averages for the later period are ~~every month lower~~ generally higher than averages for

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the earlier period, except during January and February. Table I gives for comparison the average monthly and annual mean temperatures at various stations during the 30-year periods 1901-30, 1906-35, 1921-50 and 1931-60. Table II may be used to convert degrees Celsius (Centigrade) to degrees Fahrenheit.

An inspection of the maps reveals that in winter the run of the isotherms is in general from north to south so that temperature is lower in the east than in the west. On the other hand, in summer the general run of the isotherms is from west to east indicating that the north is cooler than the south. This applies to maximum, minimum and mean temperatures. In all areas mean temperatures are above the sea surface temperature during the summer and below during the winter. Highest temperatures in the summer and lowest temperatures in the winter are recorded inland. The average daily range at all seasons is largest inland, the temperature being more uniform in coastal regions.

July is the warmest month nearly everywhere, but August is the warmest in coastal regions in the south and also as far north as Scarborough in the east and Rhyl in the west. August is also the warmest month of the year in the Northern Isles of Scotland. January is the coldest month over more than half of the British Isles, but February is the coldest month in coastal districts and in south-west England, over most of Wales and the Lake District.

Table I - Comparison of averages of mean temperature for different periods

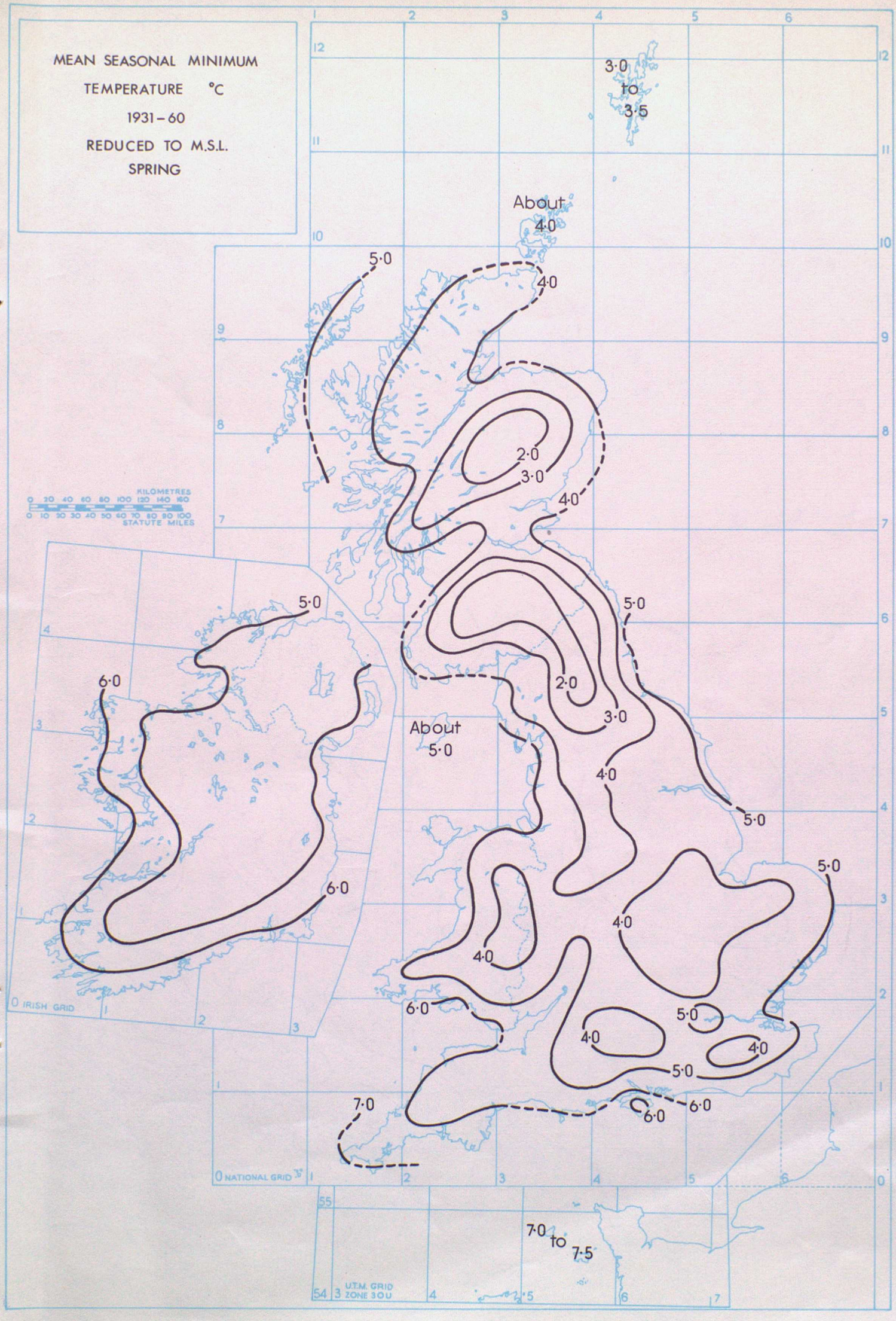
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Eastbourne** | | | | | | | | | | | | | |
| 1901-30 | 5.4 | 5.2 | 6.4 | 8.3 | 11.8 | 14.1 | 16.2 | 16.4 | 14.6 | 11.6 | 7.7 | 6.2 | 10.3 |
| 1906-35 | 5.4 | 5.2 | 6.2 | 8.3 | 11.9 | 14.3 | 16.2 | 16.6 | 14.7 | 11.7 | 7.8 | 6.2 | 10.4 |
| 1921-50 | 5.2 | 5.1 | 6.5 | 8.9 | 11.8 | 14.8 | 16.8 | 16.9 | 15.2 | 11.8 | 8.1 | 5.7 | 10.6 |
| 1931-60 | 4.7 | 4.6 | 6.4 | 9.0 | 12.0 | 14.9 | 16.8 | 17.1 | 15.3 | 11.9 | 8.3 | 6.0 | 10.6 |
| **Kew** | | | | | | | | | | | | | |
| 1901-30 | 4.7 | 4.8 | 6.2 | 8.4 | 12.5 | 15.0 | 17.1 | 16.5 | 14.1 | 10.5 | 6.4 | 5.2 | 10.1 |
| 1906-35 | 4.7 | 4.8 | 6.2 | 8.4 | 12.6 | 15.3 | 17.2 | 16.8 | 14.2 | 10.6 | 6.6 | 5.3 | 10.2 |
| 1921-50 | 4.5 | 4.7 | 6.6 | 9.1 | 12.4 | 15.7 | 17.7 | 17.1 | 14.6 | 10.7 | 6.9 | 4.9 | 10.4 |
| 1931-60 | 4.2 | 4.4 | 6.6 | 9.3 | 12.5 | 15.9 | 17.6 | 17.2 | 14.8 | 10.8 | 7.3 | 5.2 | 10.5 |
| **Oxford** | | | | | | | | | | | | | |
| 1901-30 | 4.4 | 4.6 | 6.1 | 8.2 | 12.1 | 14.4 | 16.6 | 16.0 | 13.7 | 10.3 | 6.2 | 4.8 | 9.8 |
| 1906-35 | 4.5 | 4.5 | 6.0 | 8.3 | 12.2 | 14.6 | 16.6 | 16.3 | 13.8 | 10.3 | 6.3 | 4.9 | 9.8 |
| 1921-50 | 4.2 | 4.5 | 6.4 | 8.9 | 11.9 | 15.1 | 17.1 | 16.7 | 14.4 | 10.4 | 6.7 | 4.6 | 10.1 |
| 1931-60 | 3.7 | 4.2 | 6.4 | 9.1 | 12.0 | 15.3 | 17.1 | 16.9 | 14.4 | 10.5 | 7.0 | 4.9 | 10.1 |
| **Sheffield** | | | | | | | | | | | | | |
| 1901-30 | 4.3 | 4.2 | 5.4 | 7.5 | 11.1 | 13.6 | 15.7 | 15.3 | 13.1 | 9.8 | 6.2 | 4.6 | 9.2 |
| 1906-35 | 4.3 | 4.3 | 5.4 | 7.6 | 11.2 | 13.8 | 15.8 | 15.5 | 13.3 | 9.8 | 6.3 | 4.7 | 9.3 |
| 1921-50 | 4.0 | 4.0 | 5.8 | 8.1 | 11.1 | 14.3 | 16.4 | 15.8 | 13.7 | 10.1 | 6.6 | 4.7 | 9.6 |
| 1931-60 | 3.6 | 3.8 | 5.7 | 8.4 | 11.3 | 14.5 | 16.3 | 16.0 | 13.8 | 10.2 | 6.9 | 4.9 | 9.6 |
| **Morpeth (Cockle Park)** | | | | | | | | | | | | | |
| 1901-30 | 3.2 | 3.2 | 4.3 | 6.1 | 9.1 | 11.8 | 13.9 | 13.6 | 11.4 | 8.5 | 5.1 | 3.6 | 7.8 |
| 1906-35 | 3.3 | 3.4 | 4.3 | 6.2 | 9.2 | 11.9 | 14.1 | 13.8 | 11.5 | 8.6 | 5.2 | 3.8 | 7.9 |
| 1921-50 | 3.1 | 3.3 | 4.8 | 6.7 | 9.2 | 12.4 | 14.6 | 14.0 | 12.1 | 8.8 | 5.5 | 3.8 | 8.2 |
| 1931-60 | 2.6 | 3.0 | 4.7 | 6.9 | 9.4 | 12.5 | 14.5 | 14.1 | 12.1 | 9.0 | 5.8 | 4.0 | 8.2 |

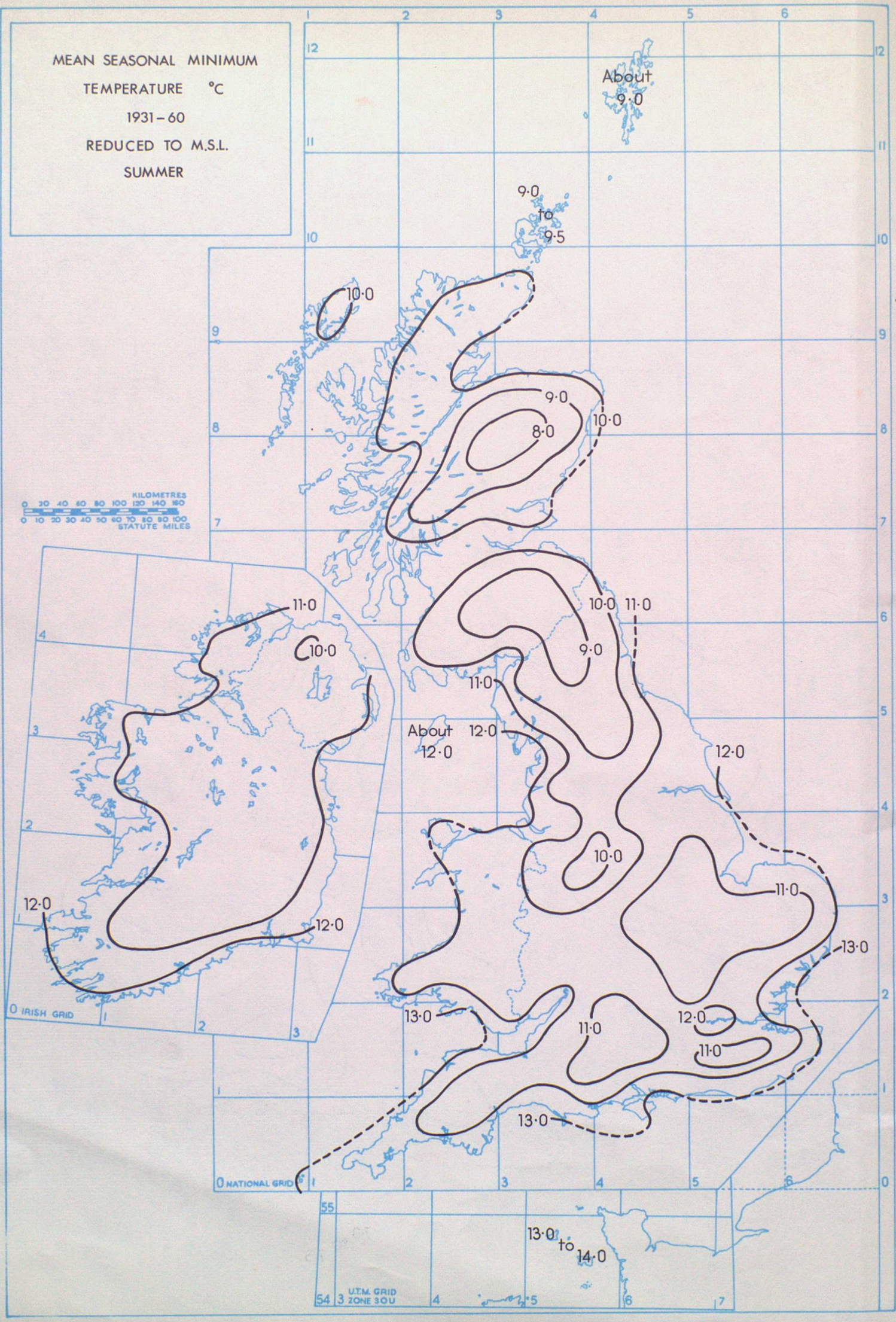
TABLE II

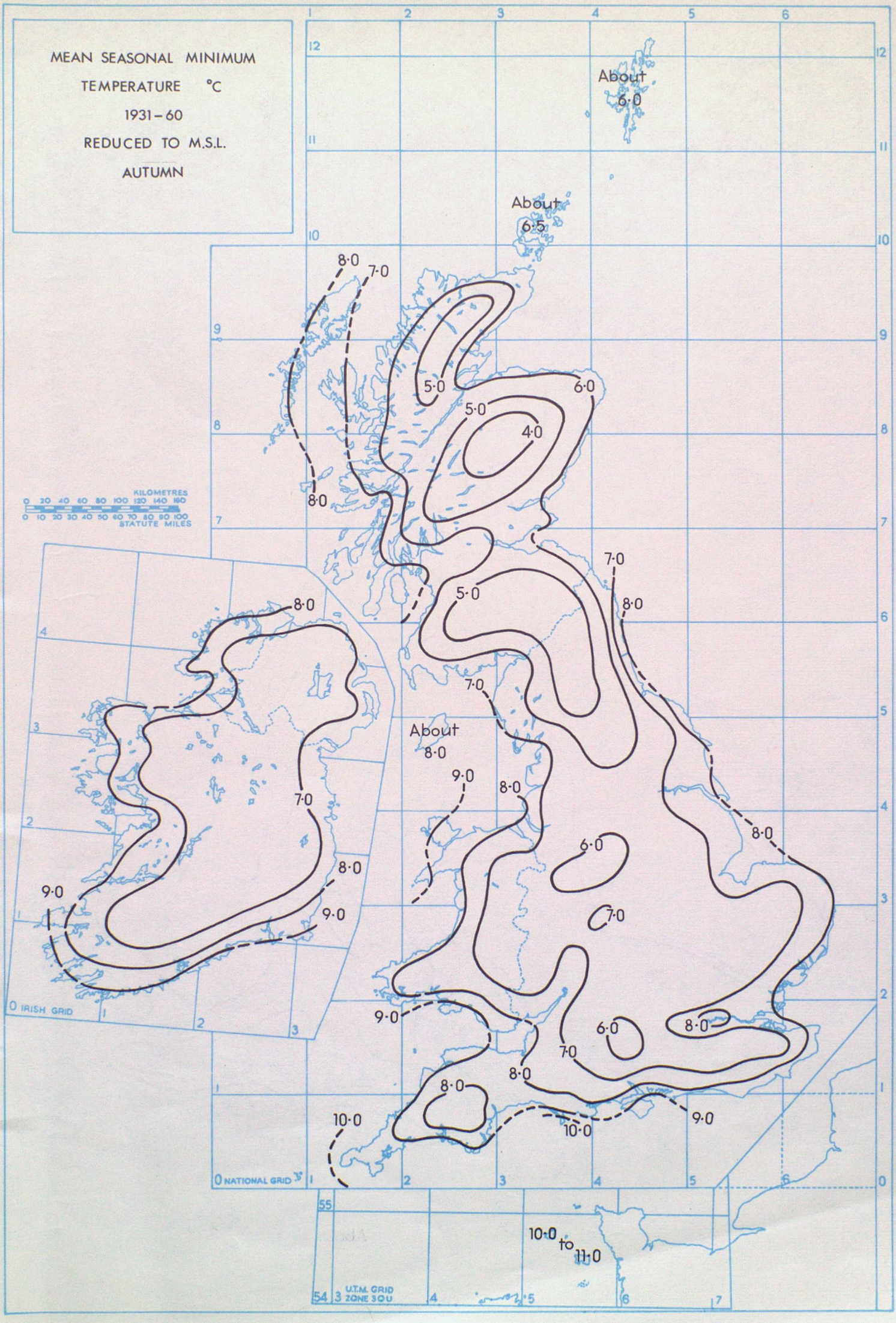
Conversion table for degrees Celsius to degrees Fahrenheit

| | .0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 |
|---|---|---|---|---|---|---|---|---|---|---|
| °C | °F | °F | °F | °F | °F | °F | °F | °F | °F | °F |
| 24 | 75.2 | 75.4 | 75.6 | 75.7 | 75.9 | 76.1 | 76.3 | 76.5 | 76.6 | 76.8 |
| 23 | 73.4 | 73.6 | 73.8 | 74.0 | 74.1 | 74.3 | 74.5 | 74.7 | 74.8 | 75.0 |
| 22 | 71.6 | 71.8 | 72.0 | 72.1 | 72.3 | 72.5 | 72.7 | 72.9 | 73.0 | 73.2 |
| 21 | 69.8 | 70.0 | 70.2 | 70.3 | 70.5 | 70.7 | 70.9 | 71.1 | 71.2 | 71.4 |
| 20 | 68.0 | 68.2 | 68.4 | 68.5 | 68.7 | 68.9 | 69.1 | 69.3 | 69.4 | 69.6 |
| 19 | 66.2 | 66.4 | 66.6 | 66.7 | 66.9 | 67.1 | 67.3 | 67.5 | 67.6 | 67.8 |
| 18 | 64.4 | 64.6 | 64.8 | 64.9 | 65.1 | 65.3 | 65.5 | 65.7 | 65.8 | 66.0 |
| 17 | 62.6 | 62.8 | 63.0 | 63.1 | 63.3 | 63.5 | 63.7 | 63.9 | 64.0 | 64.2 |
| 16 | 60.8 | 61.0 | 61.2 | 61.3 | 61.5 | 61.7 | 61.9 | 62.1 | 62.2 | 62.4 |
| 15 | 59.0 | 59.2 | 59.4 | 59.5 | 59.7 | 59.9 | 60.1 | 60.3 | 60.4 | 60.6 |
| 14 | 57.2 | 57.4 | 57.6 | 57.7 | 57.9 | 58.1 | 58.3 | 58.5 | 58.6 | 58.8 |
| 13 | 55.4 | 55.6 | 55.8 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.8 | 57.0 |
| 12 | 53.6 | 53.8 | 54.0 | 54.1 | 54.3 | 54.5 | 54.7 | 54.9 | 55.0 | 55.2 |
| 11 | 51.8 | 52.0 | 52.2 | 52.3 | 52.5 | 52.7 | 52.9 | 53.1 | 53.2 | 53.4 |
| 10 | 50.0 | 50.2 | 50.4 | 50.5 | 50.7 | 50.9 | 51.1 | 51.3 | 51.4 | 51.6 |
| 9 | 48.2 | 48.4 | 48.6 | 48.7 | 48.9 | 49.1 | 49.3 | 49.5 | 49.6 | 49.8 |
| 8 | 46.4 | 46.6 | 46.8 | 46.9 | 47.1 | 47.3 | 47.5 | 47.7 | 47.8 | 48.0 |
| 7 | 44.6 | 44.8 | 45.0 | 45.1 | 45.3 | 45.5 | 45.7 | 45.9 | 46.0 | 46.2 |
| 6 | 42.8 | 43.0 | 43.2 | 43.3 | 43.5 | 43.7 | 43.9 | 44.1 | 44.2 | 44.4 |
| 5 | 41.0 | 41.2 | 41.4 | 41.5 | 41.7 | 41.9 | 42.1 | 42.3 | 42.4 | 42.6 |
| 4 | 39.2 | 39.4 | 39.6 | 39.7 | 39.9 | 40.1 | 40.3 | 40.5 | 40.6 | 40.8 |
| 3 | 37.4 | 37.6 | 37.8 | 37.9 | 38.1 | 38.3 | 38.5 | 38.7 | 38.8 | 39.0 |
| 2 | 35.6 | 35.8 | 36.0 | 36.1 | 36.3 | 36.5 | 36.7 | 36.9 | 37.0 | 37.2 |
| 1 | 33.8 | 34.0 | 34.2 | 34.3 | 34.5 | 34.7 | 34.9 | 35.1 | 35.2 | 35.4 |
| 0 | 32.0 | 32.2 | 32.4 | 32.5 | 32.7 | 32.9 | 33.1 | 33.3 | 33.4 | 33.6 |
| 0 | 32.0 | 31.8 | 31.6 | 31.5 | 31.3 | 31.1 | 30.9 | 30.7 | 30.6 | 30.4 |
| 1 | 30.2 | 30.0 | 29.8 | 29.7 | 29.5 | 29.3 | 29.1 | 28.9 | 28.8 | 28.6 |
| 2 | 28.4 | 28.2 | 28.0 | 27.9 | 27.7 | 27.5 | 27.3 | 27.1 | 27.0 | 26.8 |
| 3 | 26.6 | 26.4 | 26.2 | 26.1 | 25.9 | 25.7 | 25.5 | 25.3 | 25.2 | 25.0 |
| 4 | 24.8 | 24.6 | 24.4 | 24.3 | 24.1 | 23.9 | 23.7 | 23.5 | 23.4 | 23.2 |

Note: figures underlined are all negative values.


MEAN SEASONAL MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
SPRING
3·0
to
3·5
About
4·0
5·0
4·0
2·0
3·0
4·0
5·0
6·0
2·0
3·0
About
5·0
4·0
5·0
6·0
5·0
4·0
4·0
6·0
5·0
4·0
4·0
5·0
7·0
6·0
6·0
7·0
to
7·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


MEAN SEASONAL MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
SUMMER
About
9·0
9·0
to
9·5
10·0
9·0
8·0
10·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
11·0
10·0
10·0
11·0
9·0
11·0
About
12·0
12·0
12·0
10·0
11·0
12·0
12·0
13·0
13·0
11·0
12·0
11·0
13·0
IRISH GRID
NATIONAL GRID
13·0
to
14·0
U.T.M. GRID
ZONE 30U


MEAN SEASONAL MINIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
AUTUMN
About 6·0
About 6·5
About 8·0
8·0
7·0
5·0
6·0
5·0
4·0
8·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
7·0
5·0
8·0
8·0
7·0
9·0
8·0
7·0
6·0
8·0
9·0
8·0
9·0
7·0
9·0
6·0
8·0
7·0
8·0
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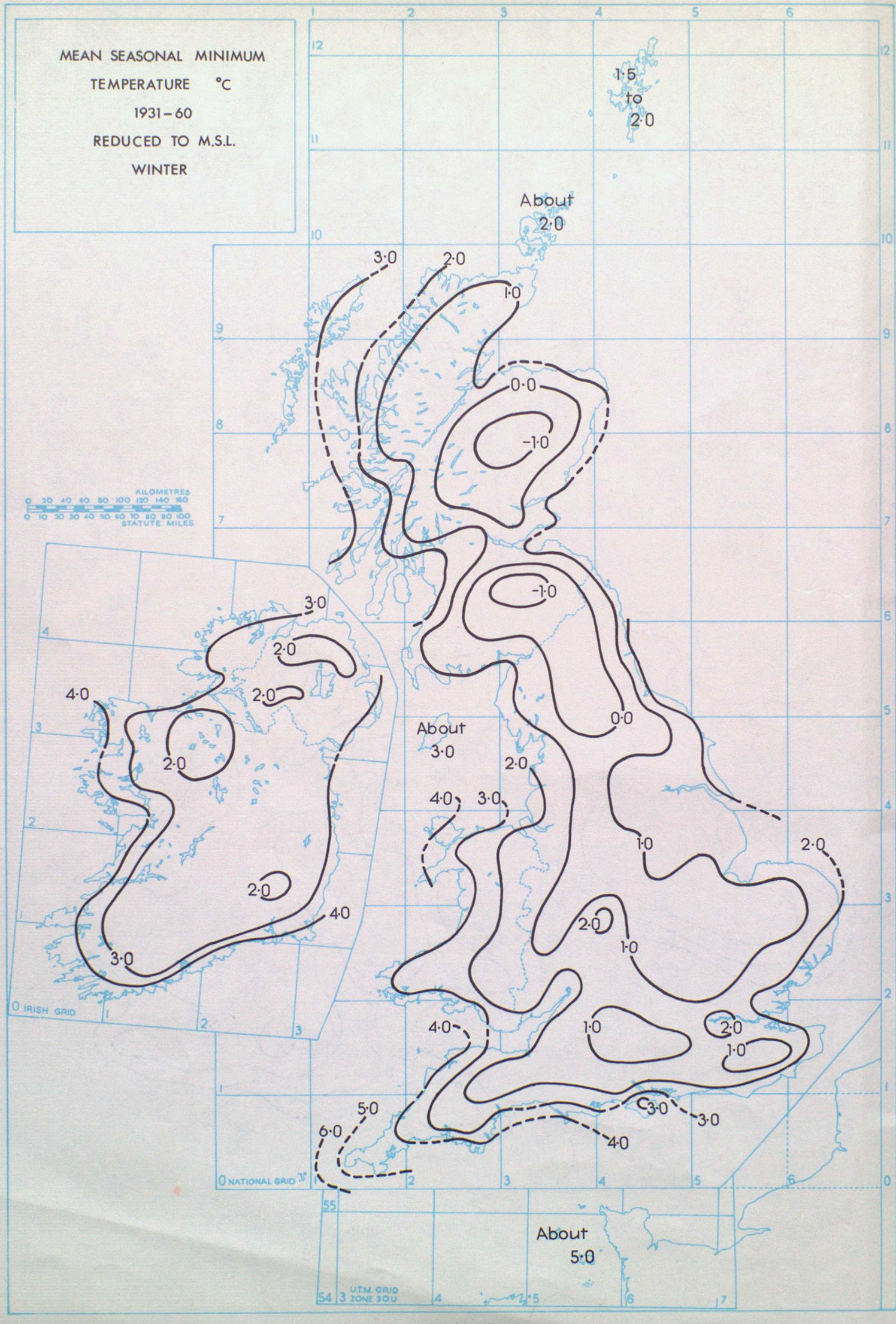
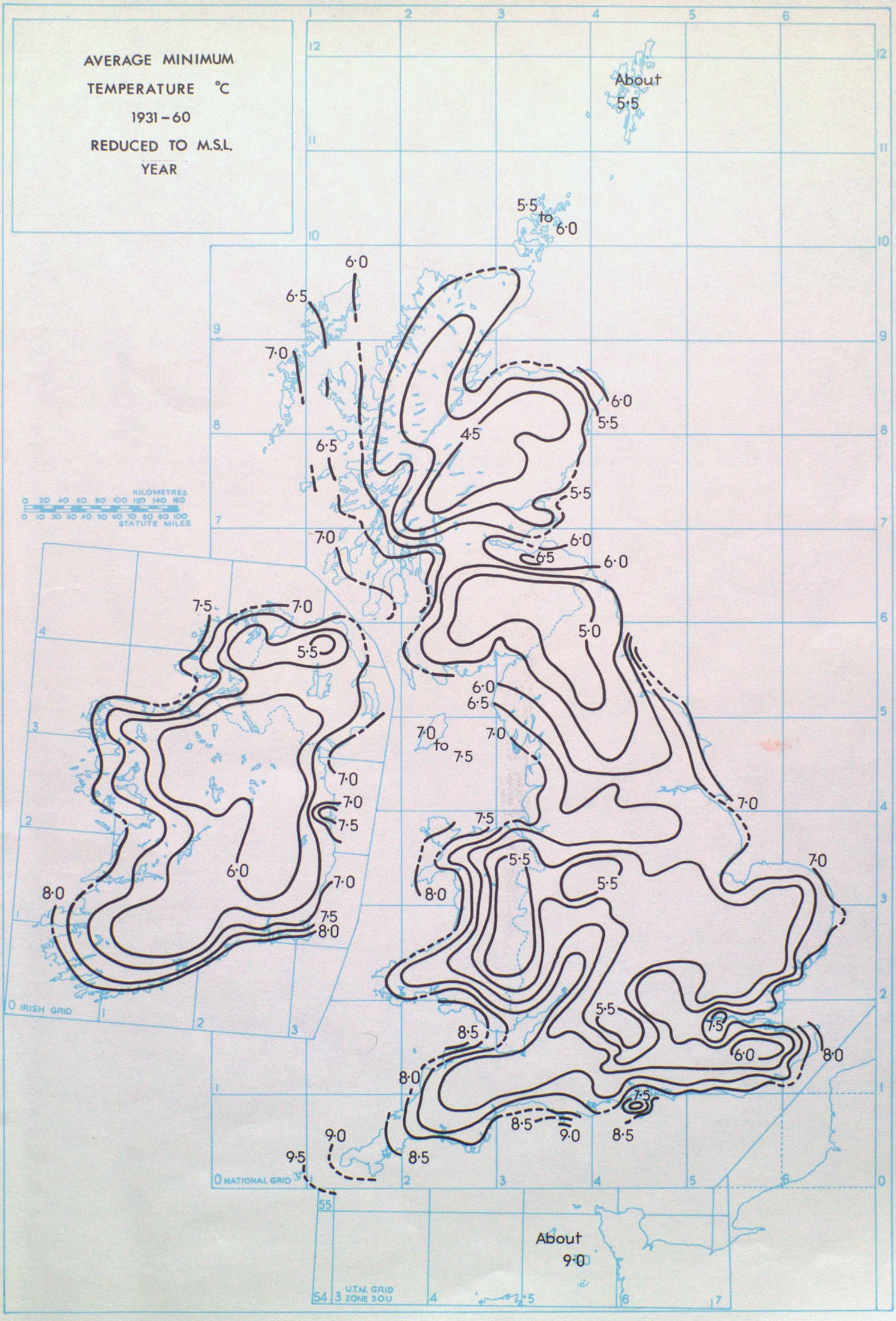
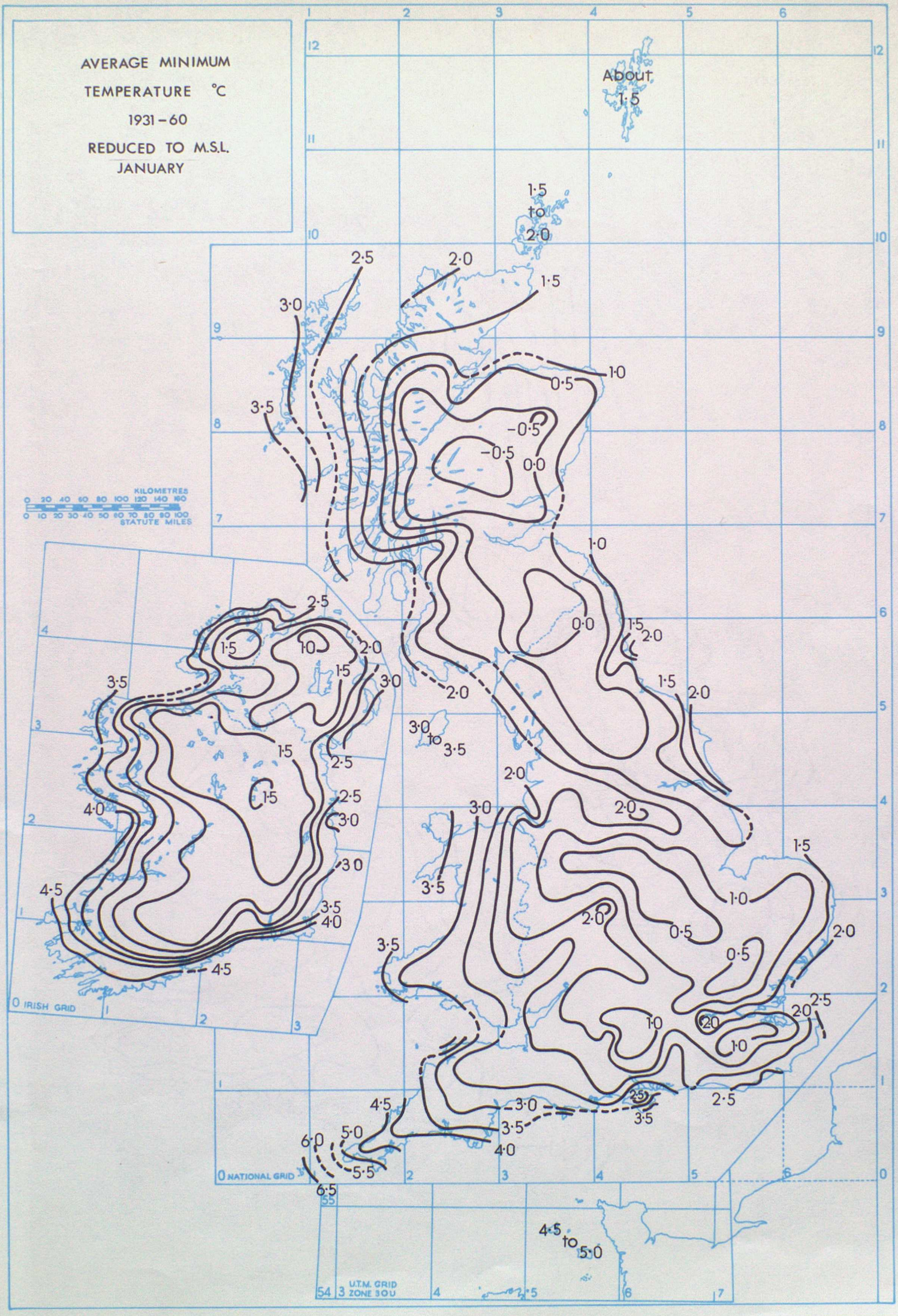
10·0 to 11·0
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID ZONE 30U


MEAN SEASONAL MINIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
WINTER
1·5
to
2·0
About
2·0
3·0
2·0
1·0
0·0
-1·0
-1·0
3·0
2·0
2·0
4·0
2·0
About
3·0
0·0
2·0
4·0
3·0
1·0
2·0
2·0
1·0
2·0
4·0
3·0
4·0
1·0
2·0
1·0
5·0
6·0
3·0
3·0
4·0
About
5·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
YEAR
About 5·5
5·5 to 6·0
6·0
6·5
7·0
5·5
4·5
5·0
7·5
8·0
7·0 to 7·5
8·5
9·0
9·5
About 9·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
JANUARY
About
1·5
1·5
to
2·0
2·5
2·0
1·5
3·0
3·5
1·0
0·5
−0·5
−0·5
0·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
1·0
0·0
1·5
2·0
2·5
1·5
1·0
2·0
1·5
3·0
2·0
1·5
2·0
3·0
to
3·5
1·5
2·5
2·0
4·0
1·5
2·5
3·0
3·0
3·0
4·5
3·5
3·5
4·0
2·0
1·5
1·0
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3·5
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2·0
2·5
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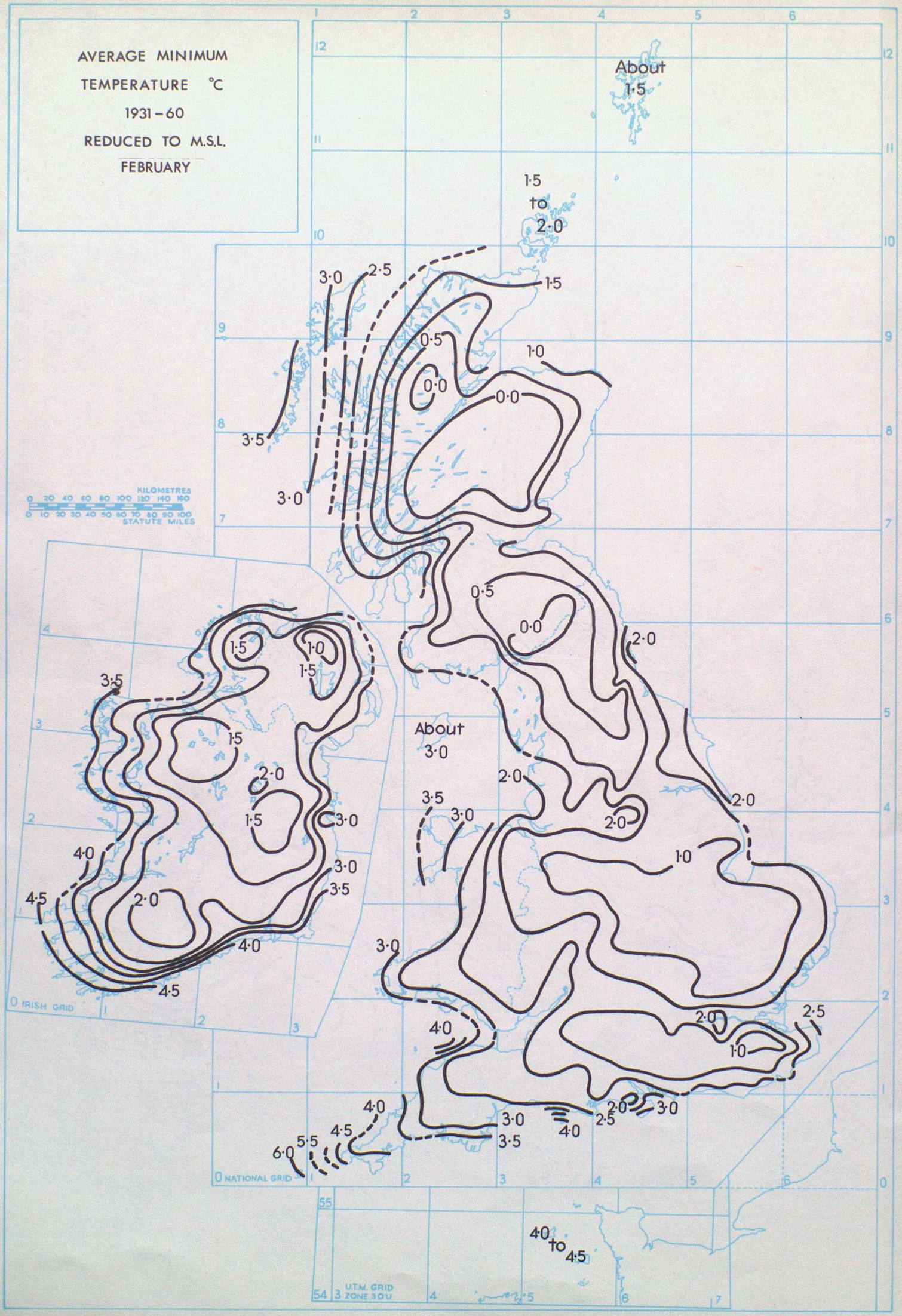
1·0
2·5
4·5
3·0
3·5
3·5
4·0
6·0
5·0
5·5
6·5
4·5
to
5·0
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
FEBRUARY
About
1·5
1·5
to
2·0
3·0
2·5
1·5
0·5
1·0
0·0
0·0
3·5
3·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
0·5
0·0
2·0
1·5
1·0
1·5
3·5
About
3·0
1·5
2·0
2·0
3·5
3·0
1·5
3·0
2·0
2·0
4·0
1·0
3·0
3·5
4·5
2·0
4·0
3·0
4·5
IRISH GRID
4·0
2·0
2·5
1·0
4·0
2·0
3·0
3·0
2·5
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4·5
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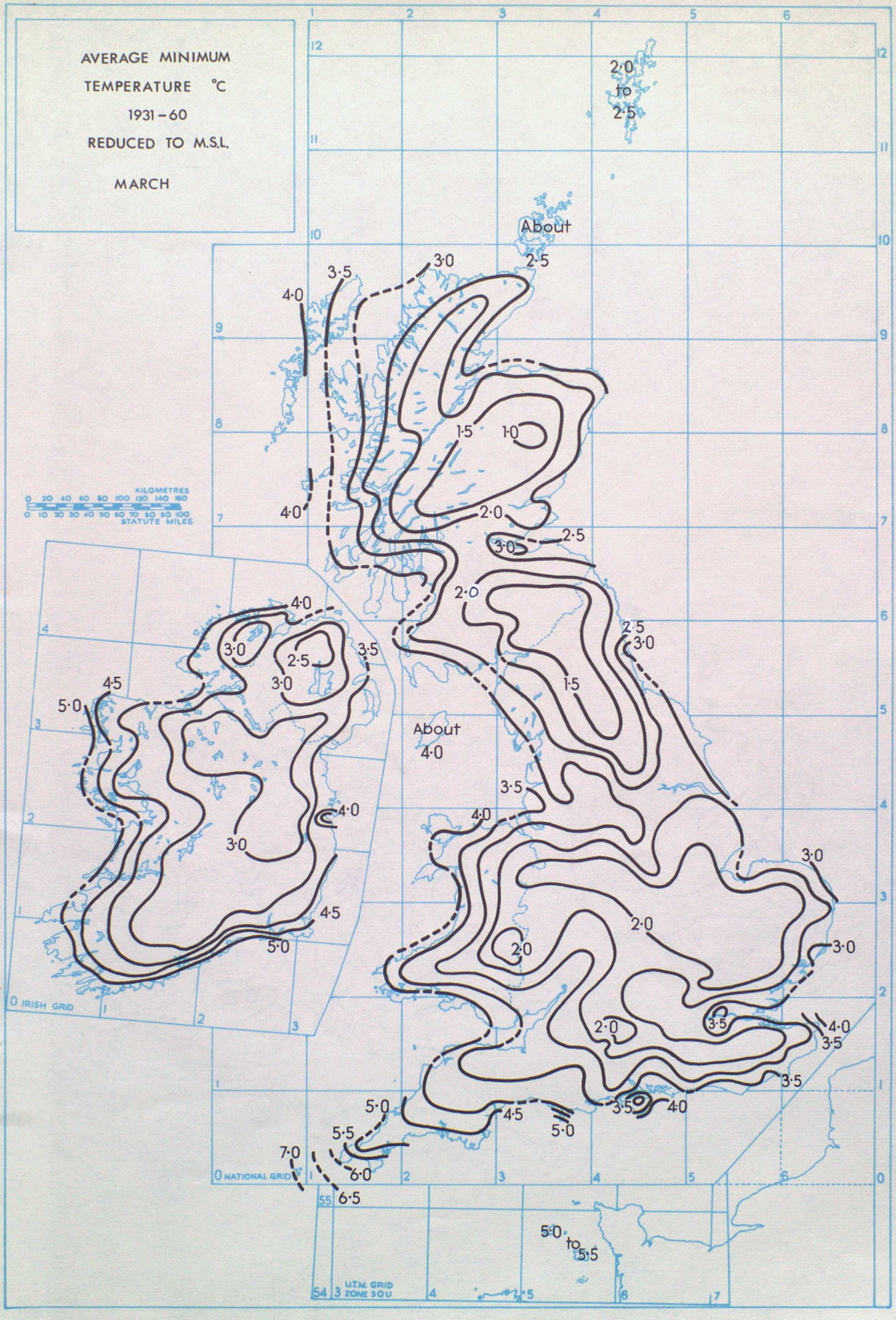
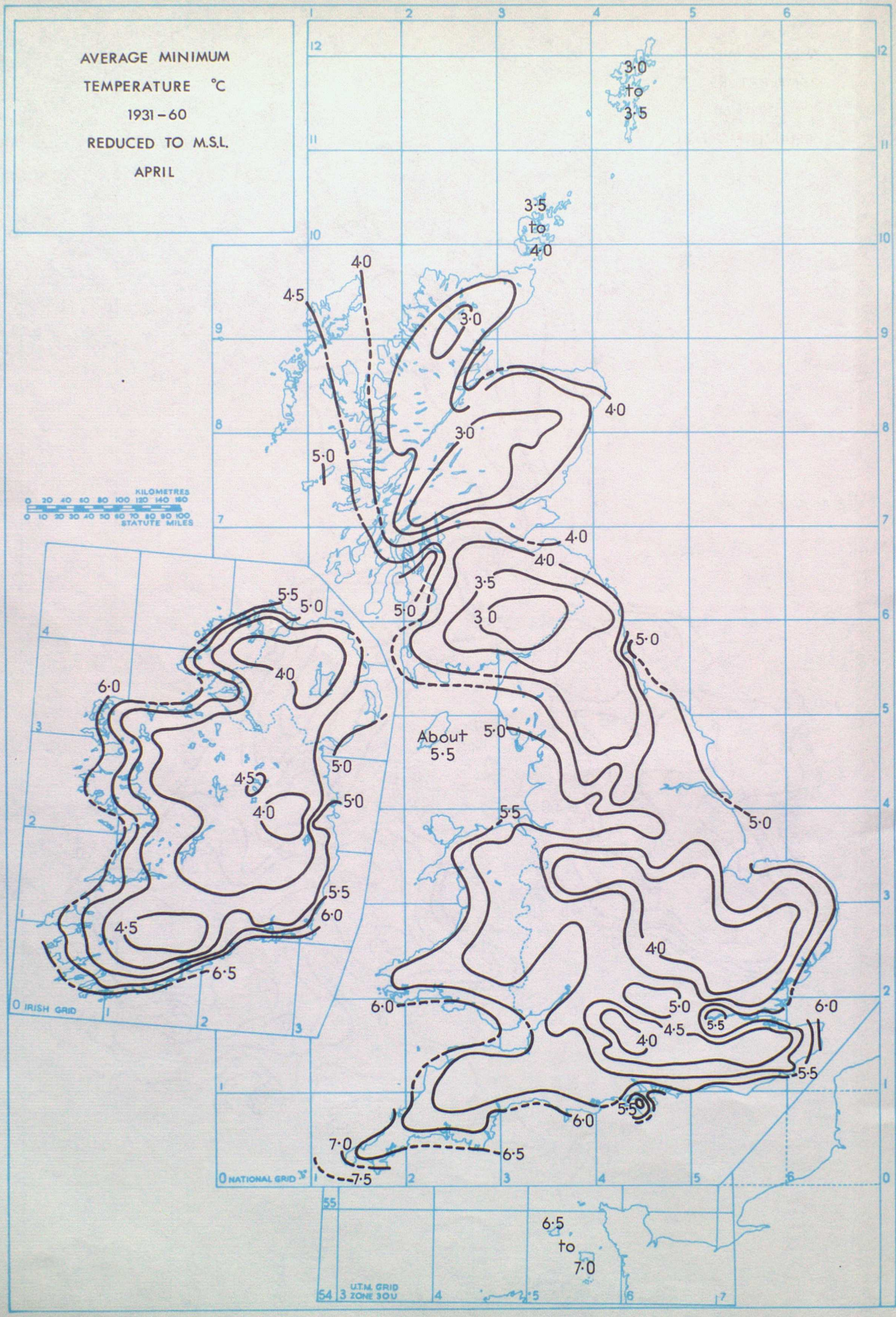
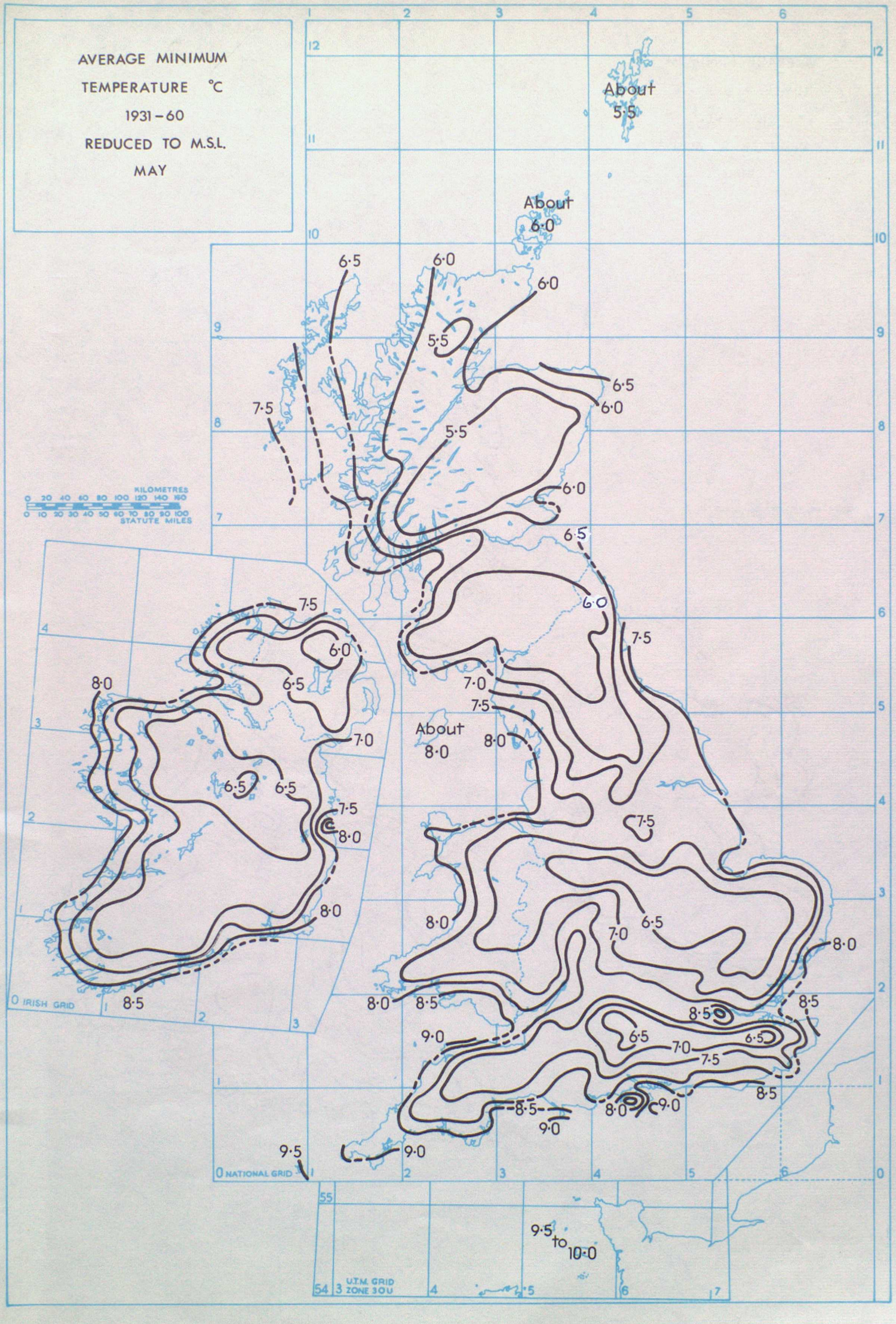
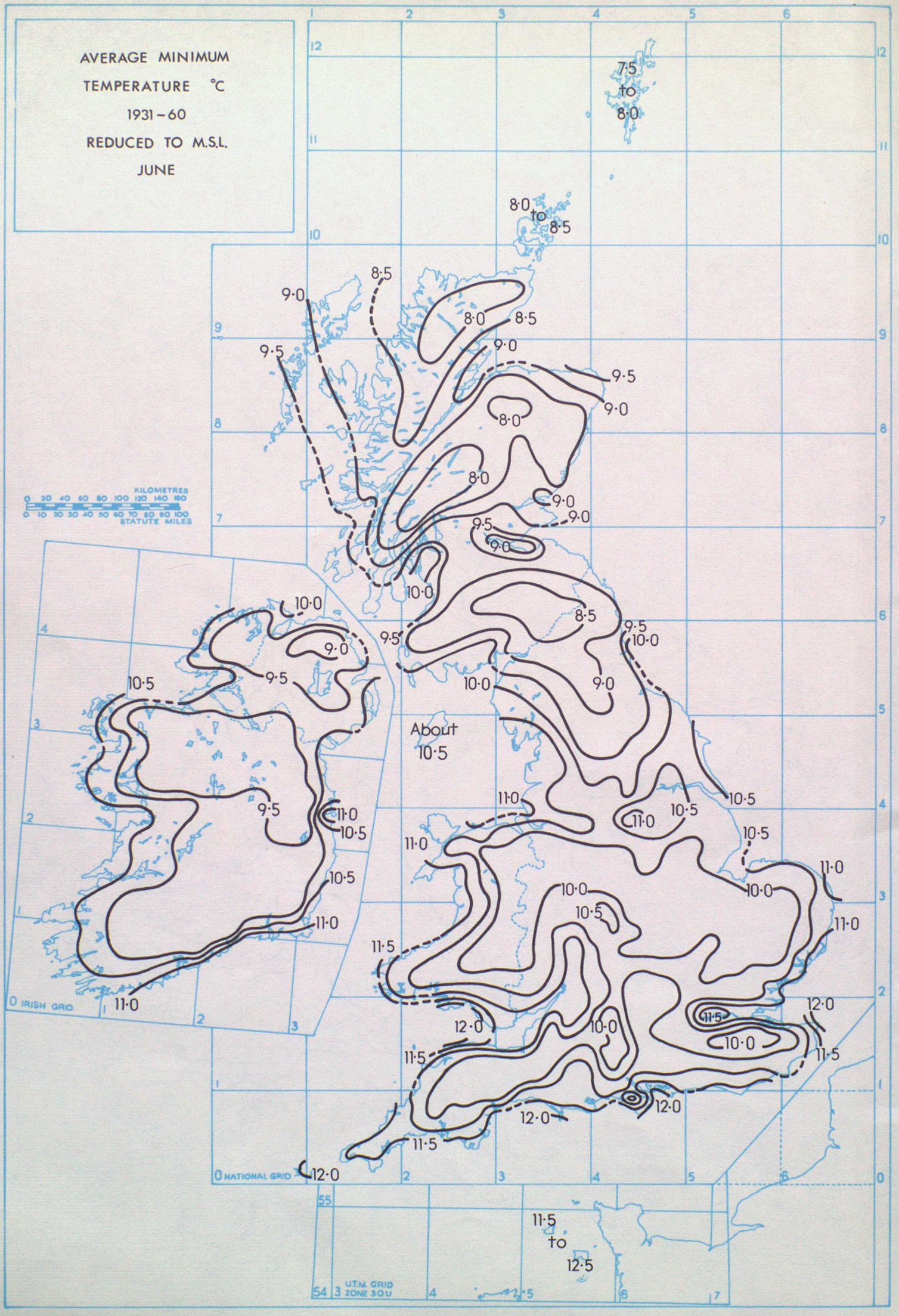
NATIONAL GRID
4·0
to
4·5
U.T.M. GRID
ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
MARCH
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
ZONE 30U
About
2·5
About
4·0
2·0
to
2·5
5·0
to
5·5


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
APRIL
3·0 to 3·5
3·5 to 4·0
4·0
4·5
3·0
4·0
3·0
5·0
4·0
4·0
3·5
3 0
5·0
5·5
5·0
5·0
4·0
6·0
About 5·0
5·5
5·0
4·5
4·0
5·0
5·5
5·0
5·5
6·0
4·5
6·5
4·0
6·0
5·0
4·5
5·5
4·0
5·5
6·0
5·5
7·0
6·5
7·5
6·5 to 7·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
MAY
About 5·5
About 6·0
About 8·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
9·5 to 10·0


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
JUNE
7·5
to
8·0
8·0
to
8·5
8·5
9·0
8·0
8·5
9·5
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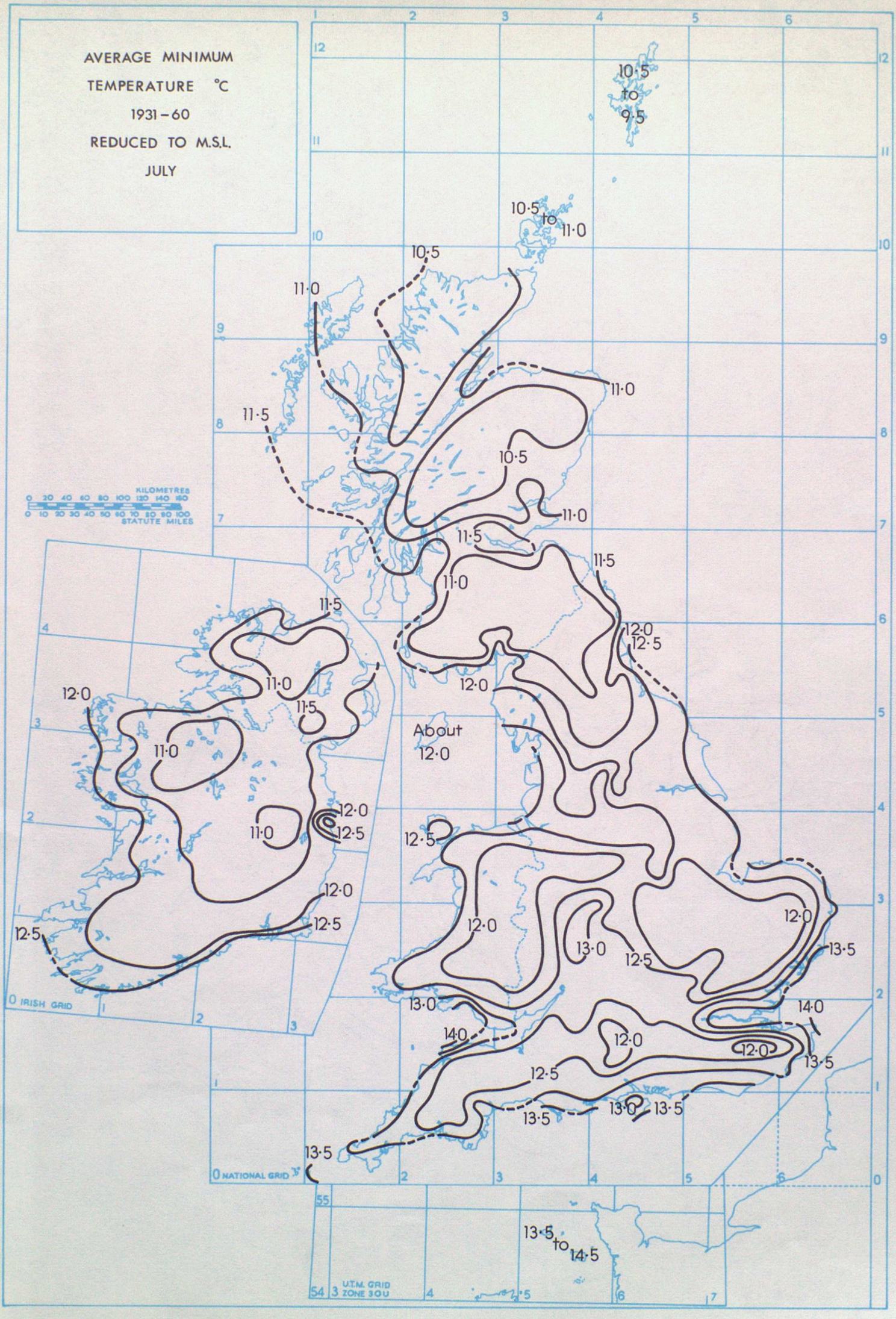
12·0
12·0
11·5
to
12·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
JULY
10·5 to 9·5
10·5 to 11·0
10·5
11·0
11·5
10·5
11·0
11·0
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13·5
13·5
13·5 to 14·5
KILOMETRES
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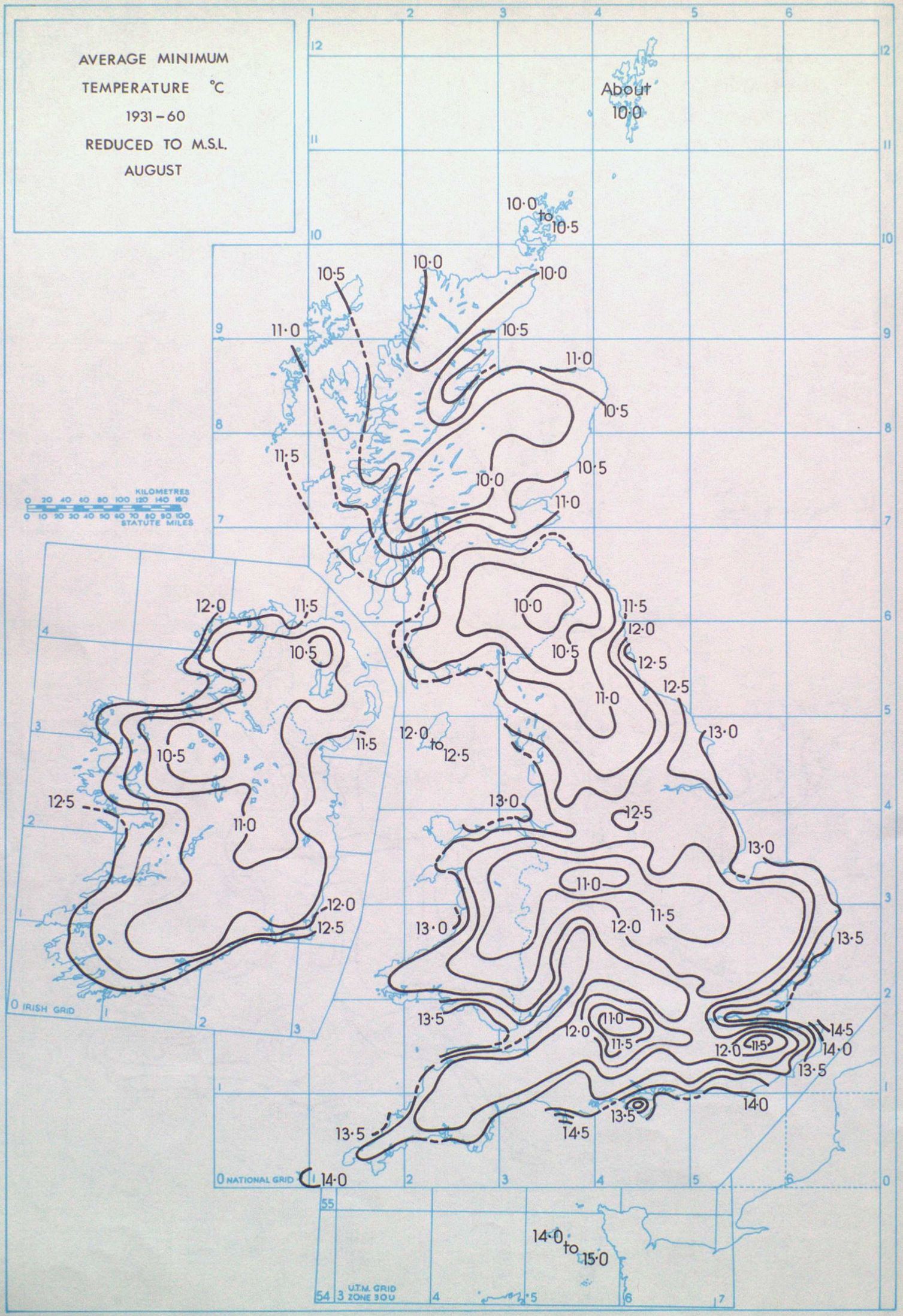
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
AUGUST
About
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10·0
to
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10·0
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10·5
11·5
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10·5
11·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
12·0
11·5
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10·0
11·5
12·0
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13·0
12·0
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14·0
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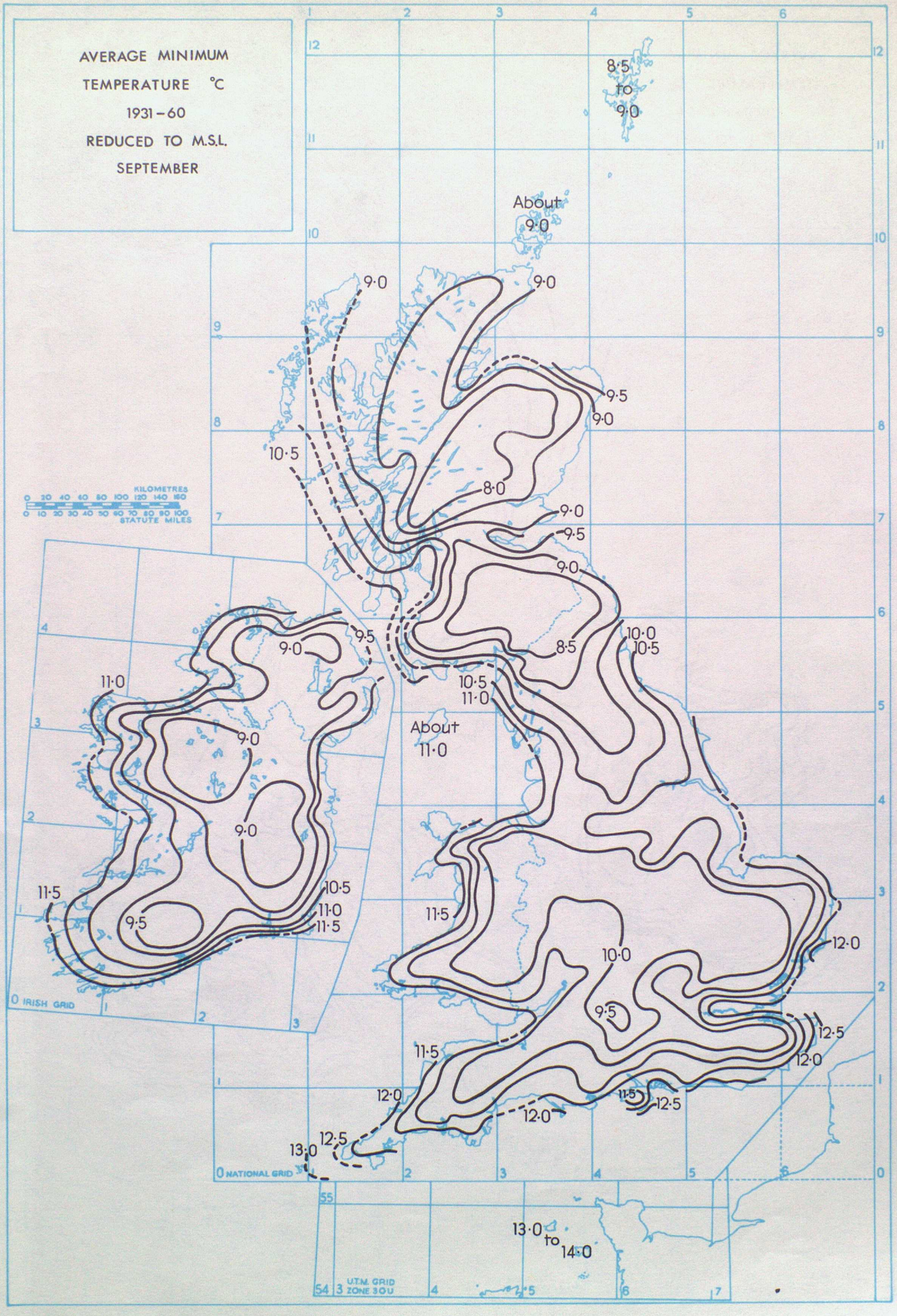
14·0
14·0
to
15·0
0 IRISH GRID
0 NATIONAL GRID
54 3 U.T.M. GRID ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
SEPTEMBER
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
8·5 to 9·0
About 9·0
9·0
9·0
9·5
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10·5
8·0
9·0
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About 11·0
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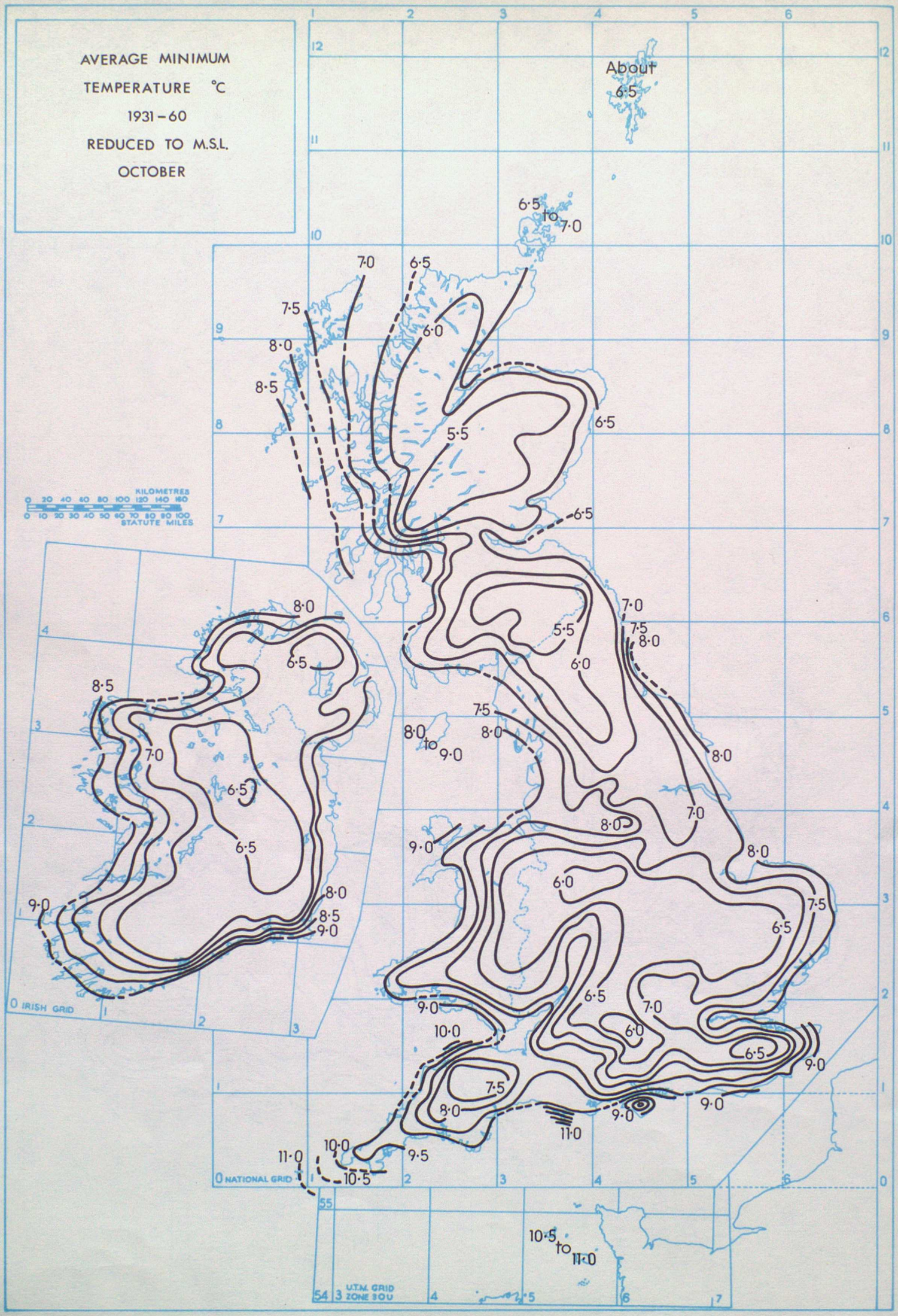
12·0
13·0
12·5
13·0 to 14·0
O IRISH GRID
O NATIONAL GRID
54 3 UTM GRID ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
OCTOBER
About
6·5
6·5
to
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6·0
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8·5
5·5
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6·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
8·0
6·5
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9·0
8·0
8·5
9·0
O IRISH GRID
7·0
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9·5
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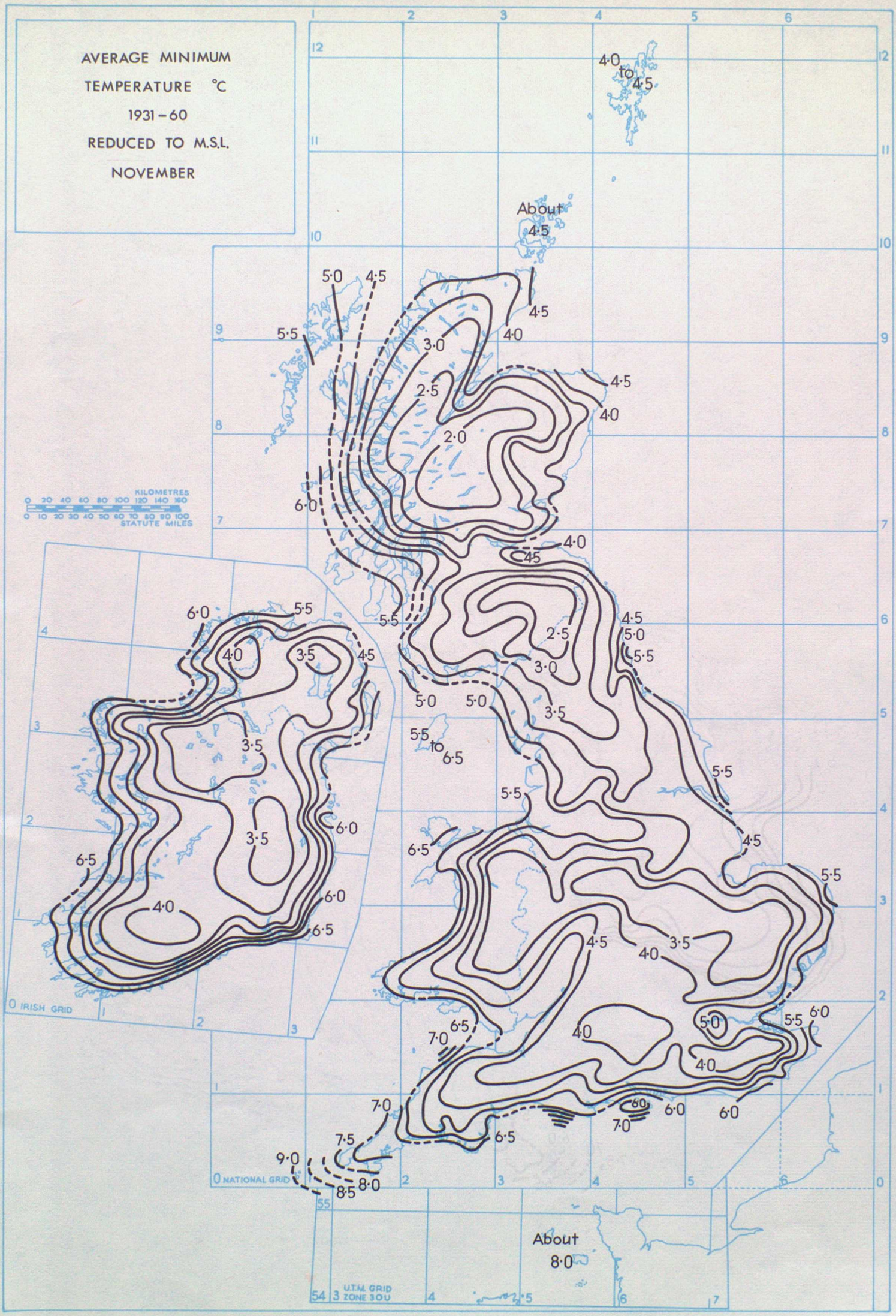
O NATIONAL GRID
10·5
to
11·0
U.T.M. GRID
ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
NOVEMBER
4·0 to 4·5
About 4·5
5·0
4·5
5·5
4·5
4·0
3·0
2·5
4·5
4·0
2·0
6·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
4·0
4·5
6·0
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3·5
4·5
5·5
4·5
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5·5
2·5
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5·5 to 6·5
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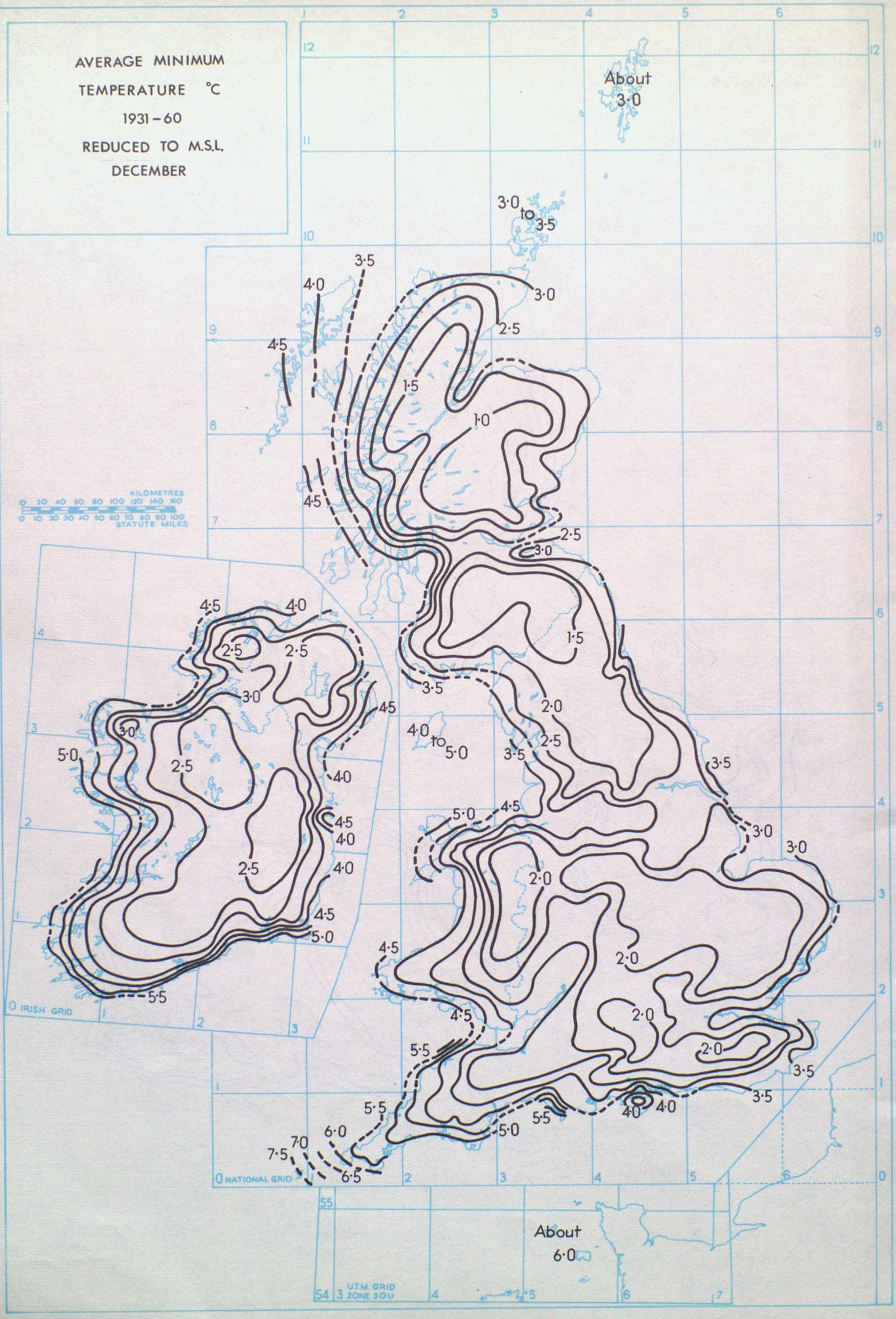
About 8·0
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U


AVERAGE MINIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
DECEMBER
About
3·0
3·0
to
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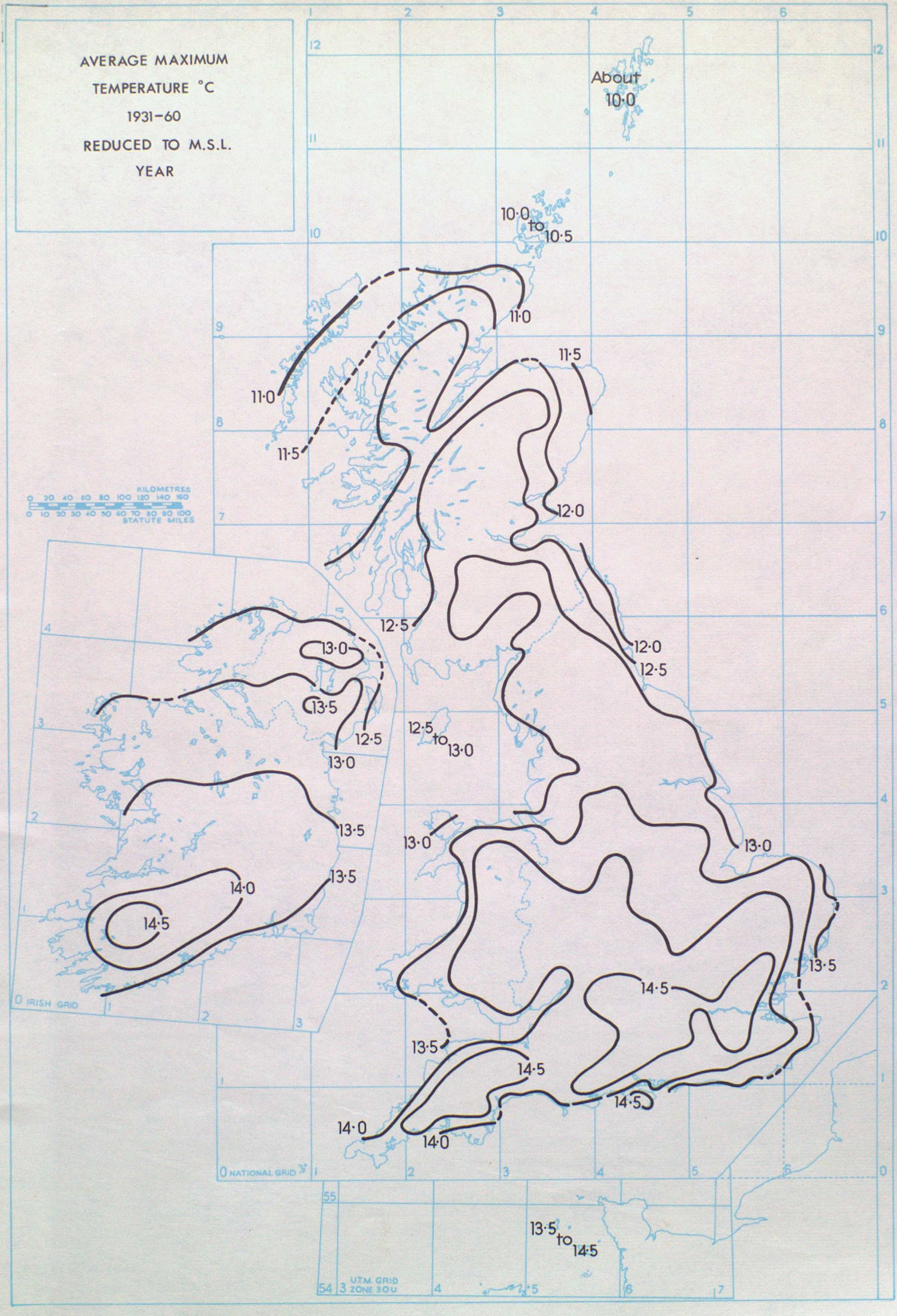
About
6·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
UTM GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
YEAR
About
10·0
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to
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to
14·5
KILOMETRES
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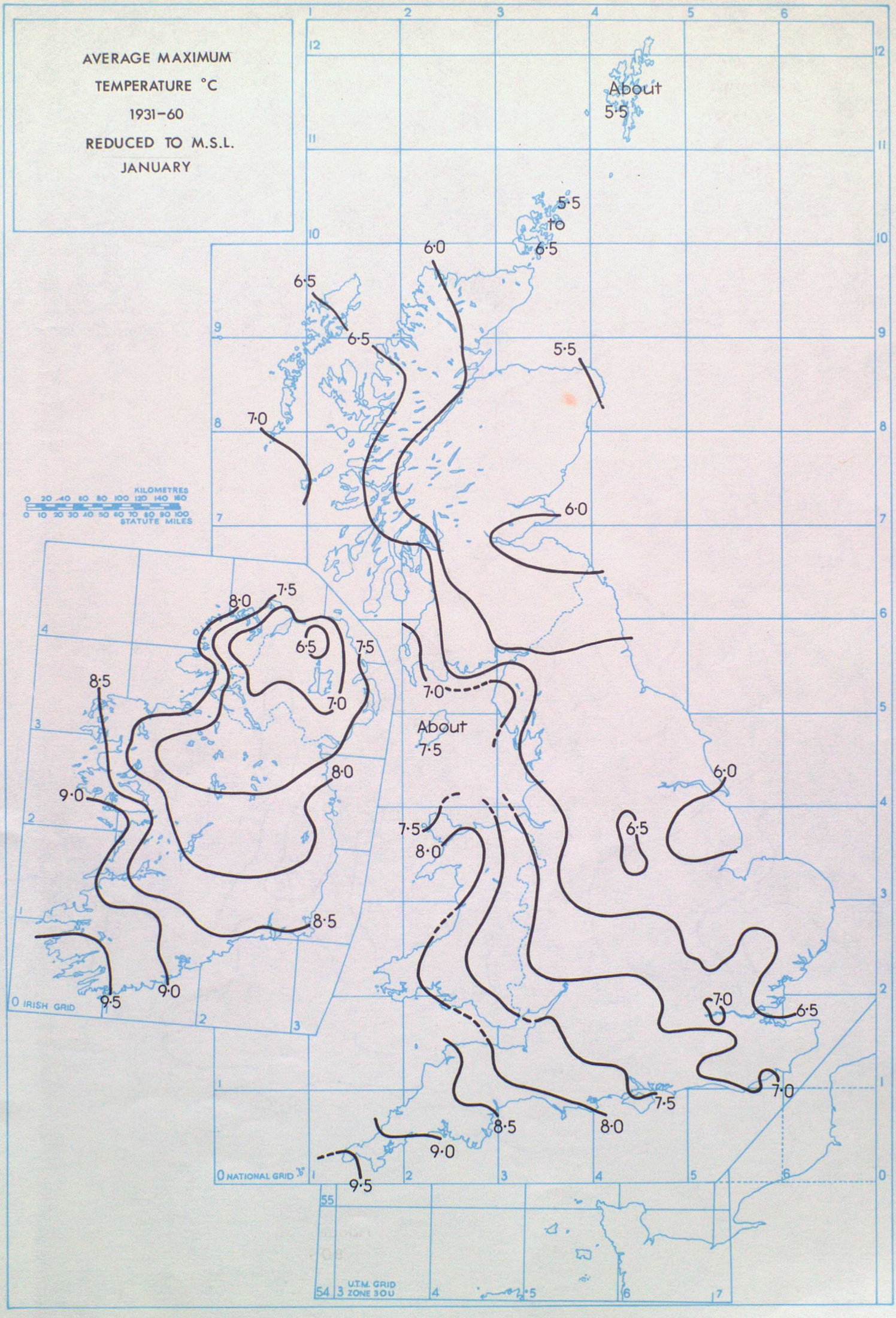
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
JANUARY
About
5·5
5·5
to
6·5
6·0
6·5
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7·0
6·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
8·0
7·5
6·5
7·5
8·5
7·0
7·0
About
7·5
8·0
6·0
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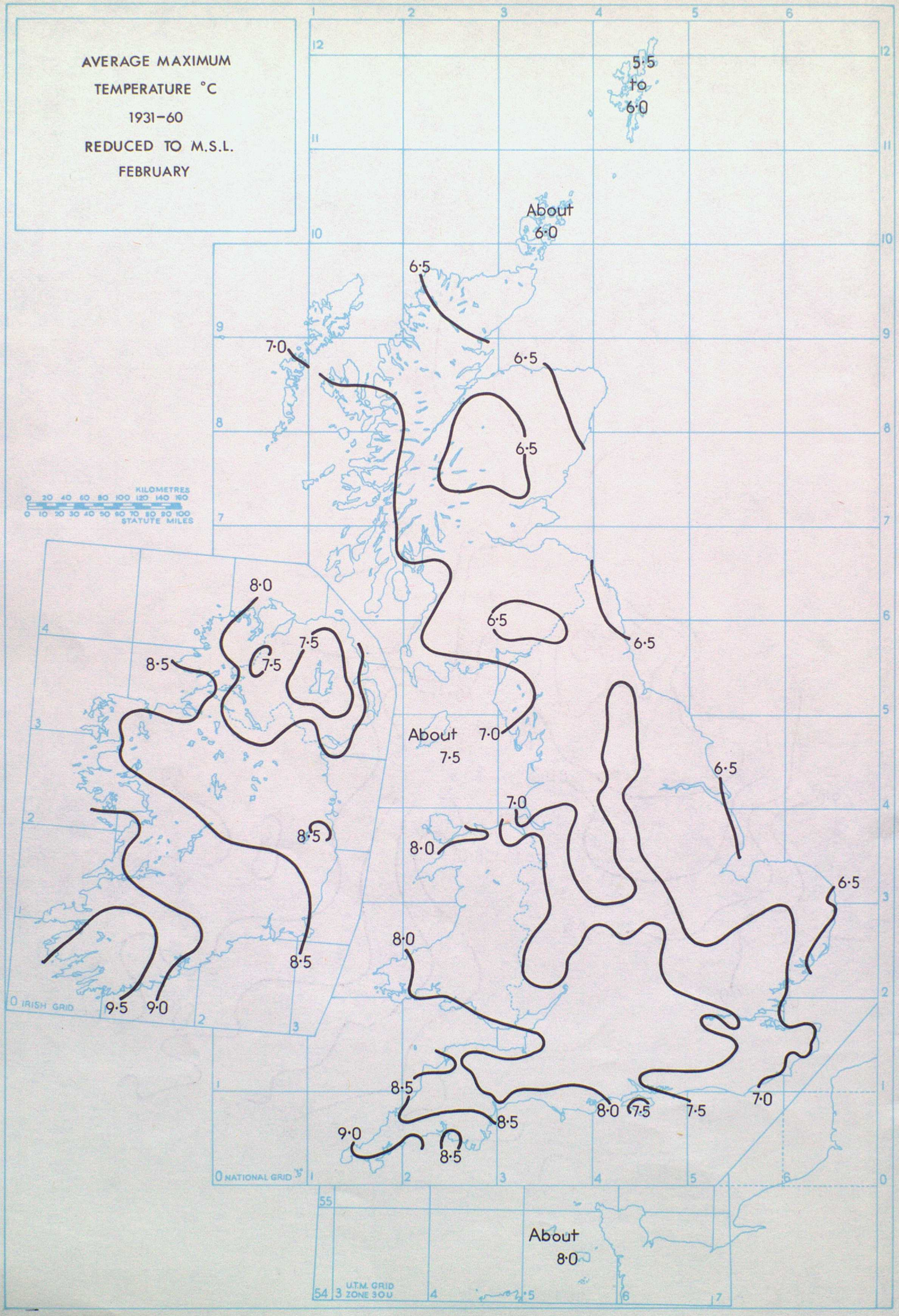
9·5
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
FEBRUARY
5·5
to
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About
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KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
8·0
7·5
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About
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9·0
IRISH GRID
8·5
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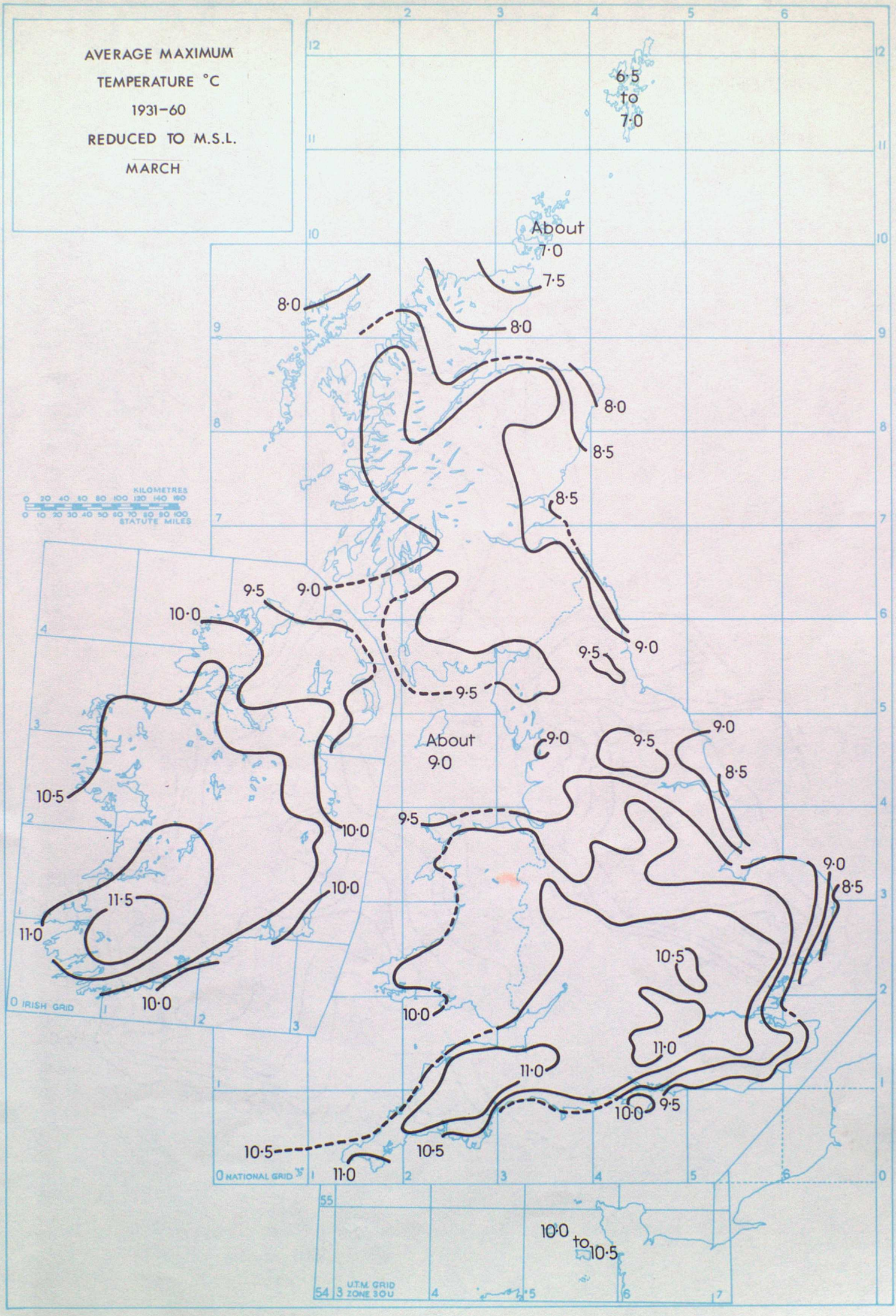
8·5
NATIONAL GRID
About
8·0
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
MARCH
6·5
to
7·0
About
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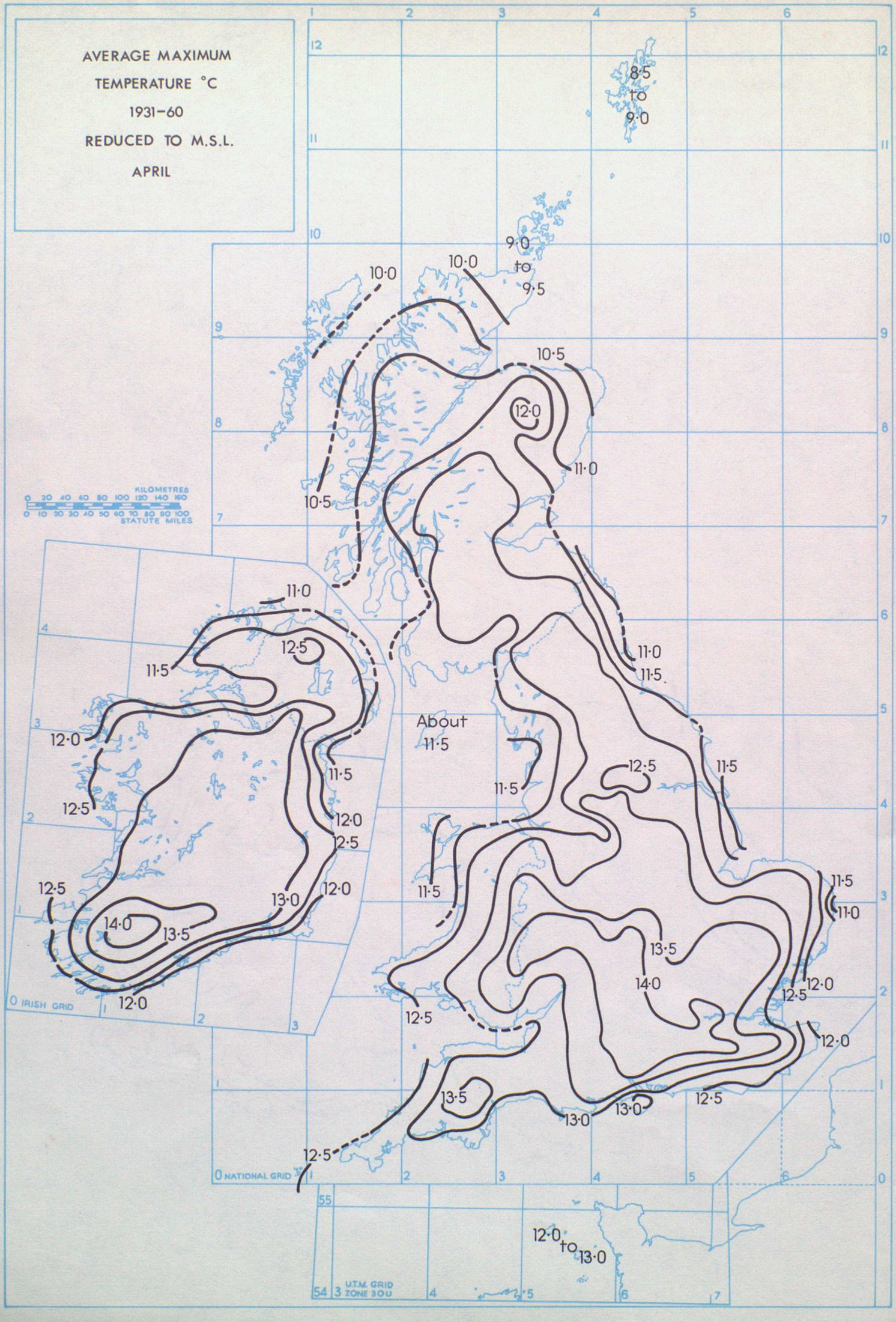
10·5
10·5
11·0
10·0 to 10·5
KILOMETRES
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
APRIL
8·5
to
9·0
9·0
to
9·5
10·0
10·0
10·5
12·0
11·0
10·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
11·0
12·5
11·5
12·0
11·5
12·5
12·0
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14·0
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About
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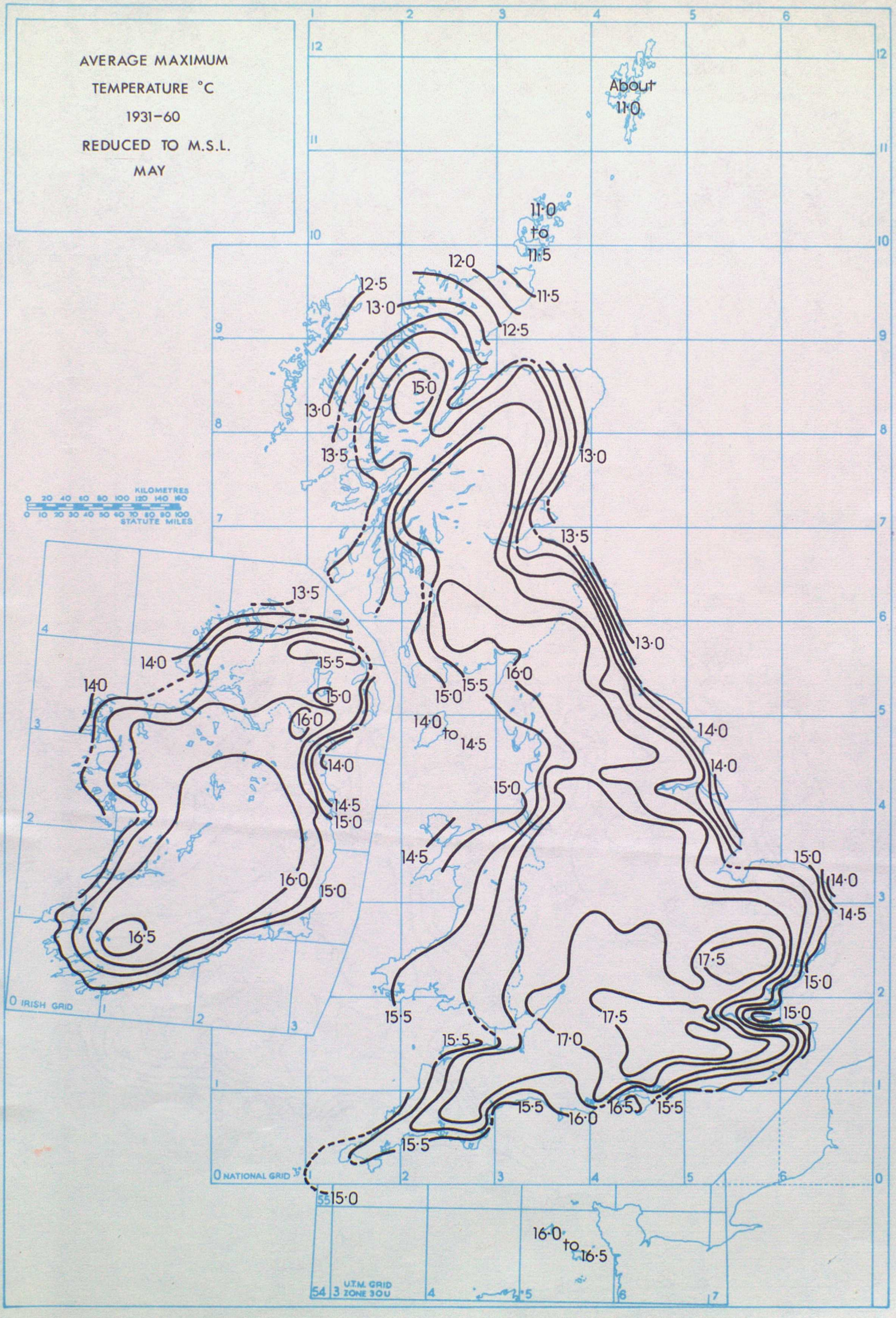
12·5
O IRISH GRID
O NATIONAL GRID
12·0
to
13·0
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
MAY
About
11·0
11·0
to
11·5
12·0
11·5
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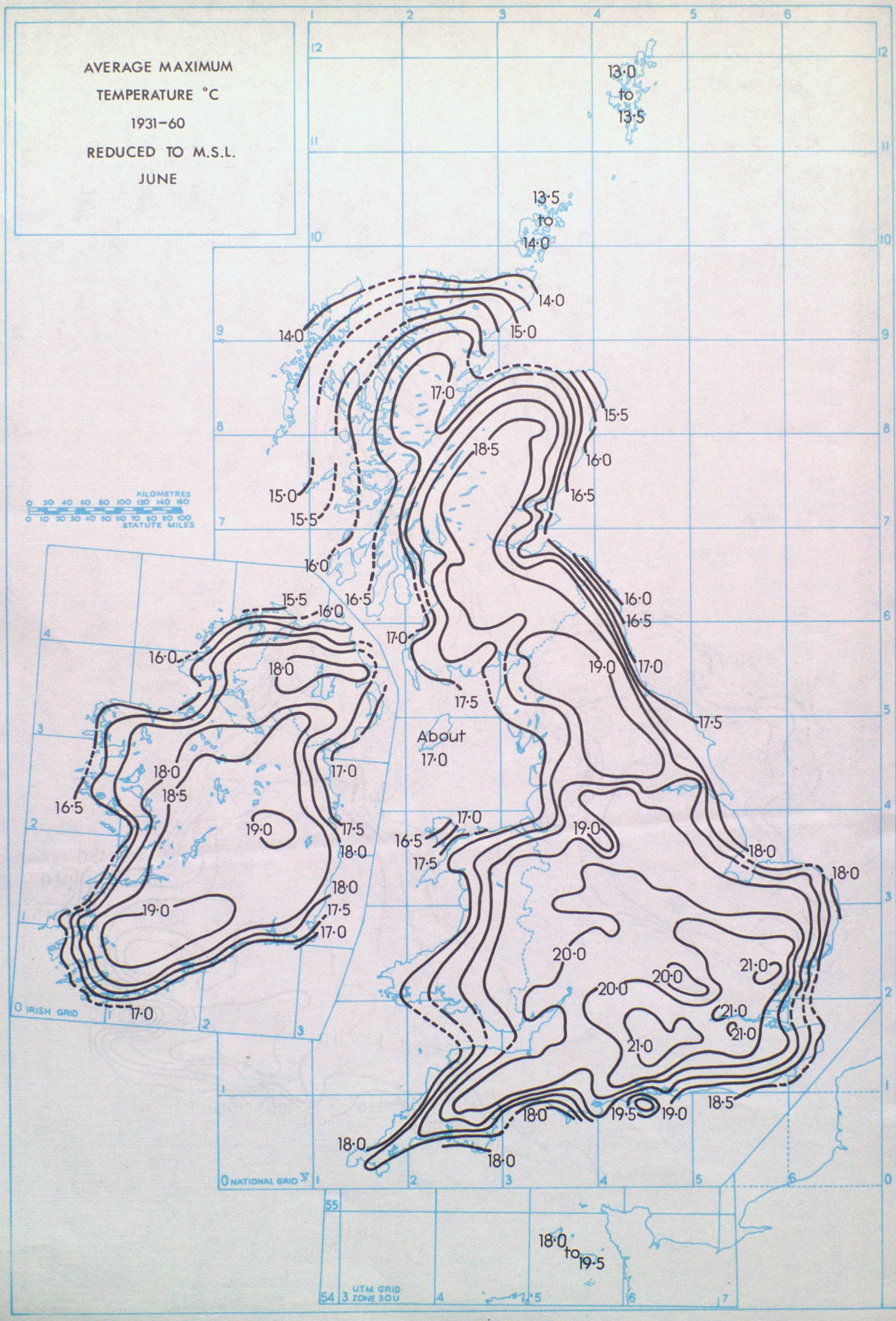
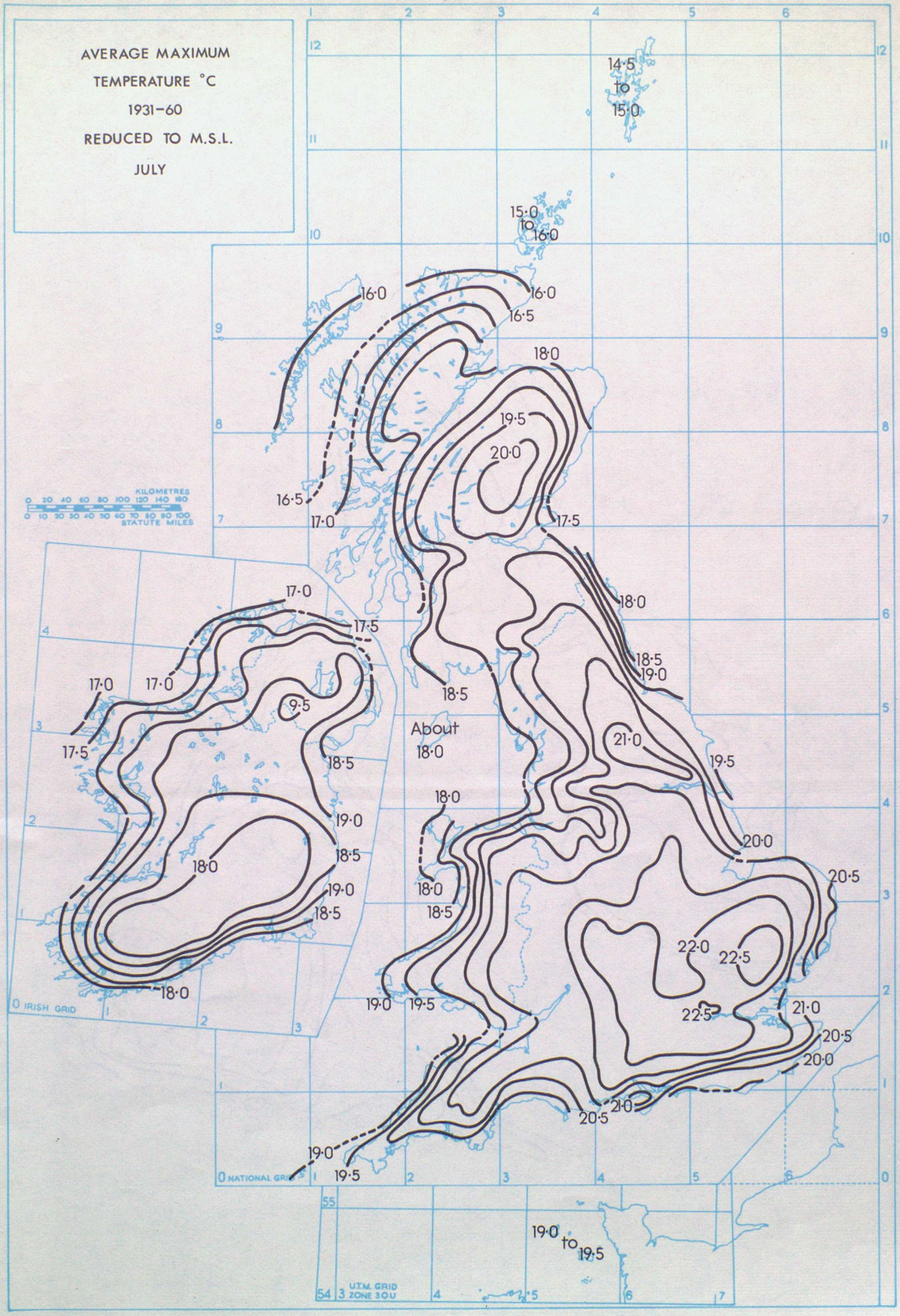
to
16·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
54 3 U.T.M. GRID ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
JUNE
13·0 to 13·5
13·5 to 14·0
14·0
15·0
17·0
15·5
18·5
16·0
16·5
About 17·0
19·0
20·0
21·0
18·5
19·5
18·0 to 19·5
KILOMETRES
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
JULY
14·5
to
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to
16·0
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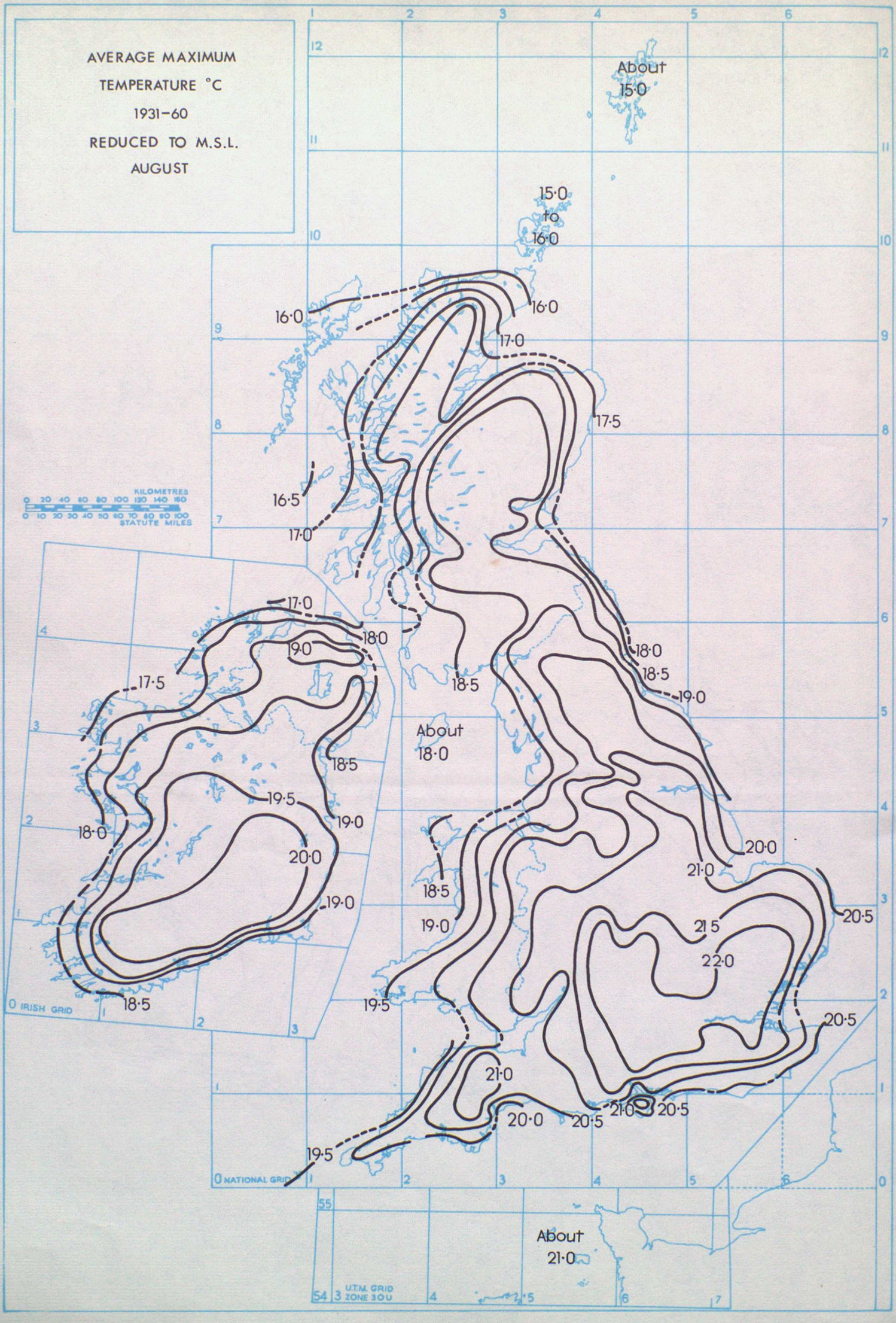
to
19·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
3 ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
AUGUST
About
15·0
15·0
to
16·0
16·0
16·0
17·0
17·5
16·5
17·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
17·0
18·0
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About
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About
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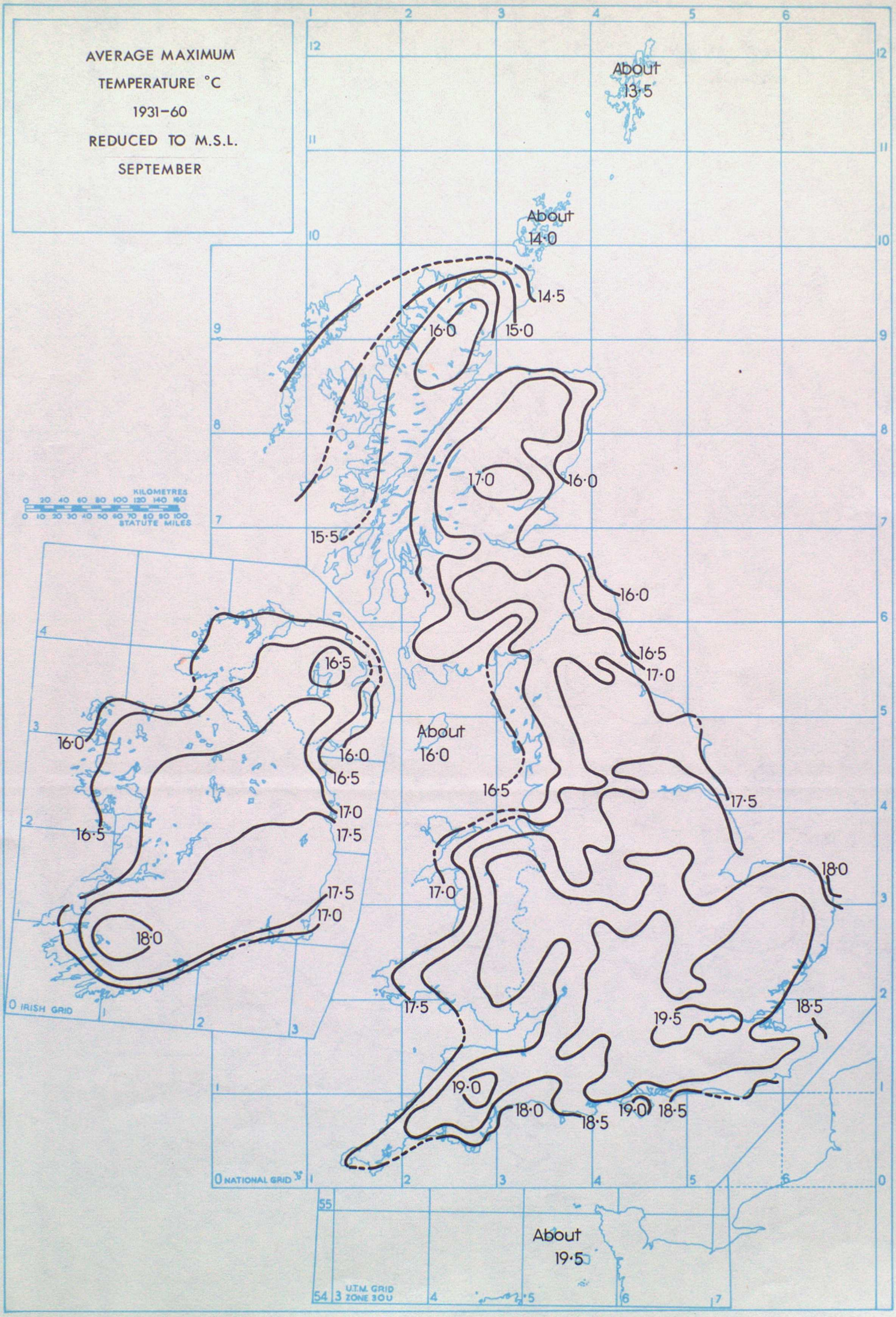
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
SEPTEMBER
About
13·5
About
14·0
14·5
16·0
15·0
17·0
16·0
15·5
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17·0
16·5
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About
16·0
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18·5
19·0
18·5
About
19·5
KILOMETRES
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STATUTE MILES
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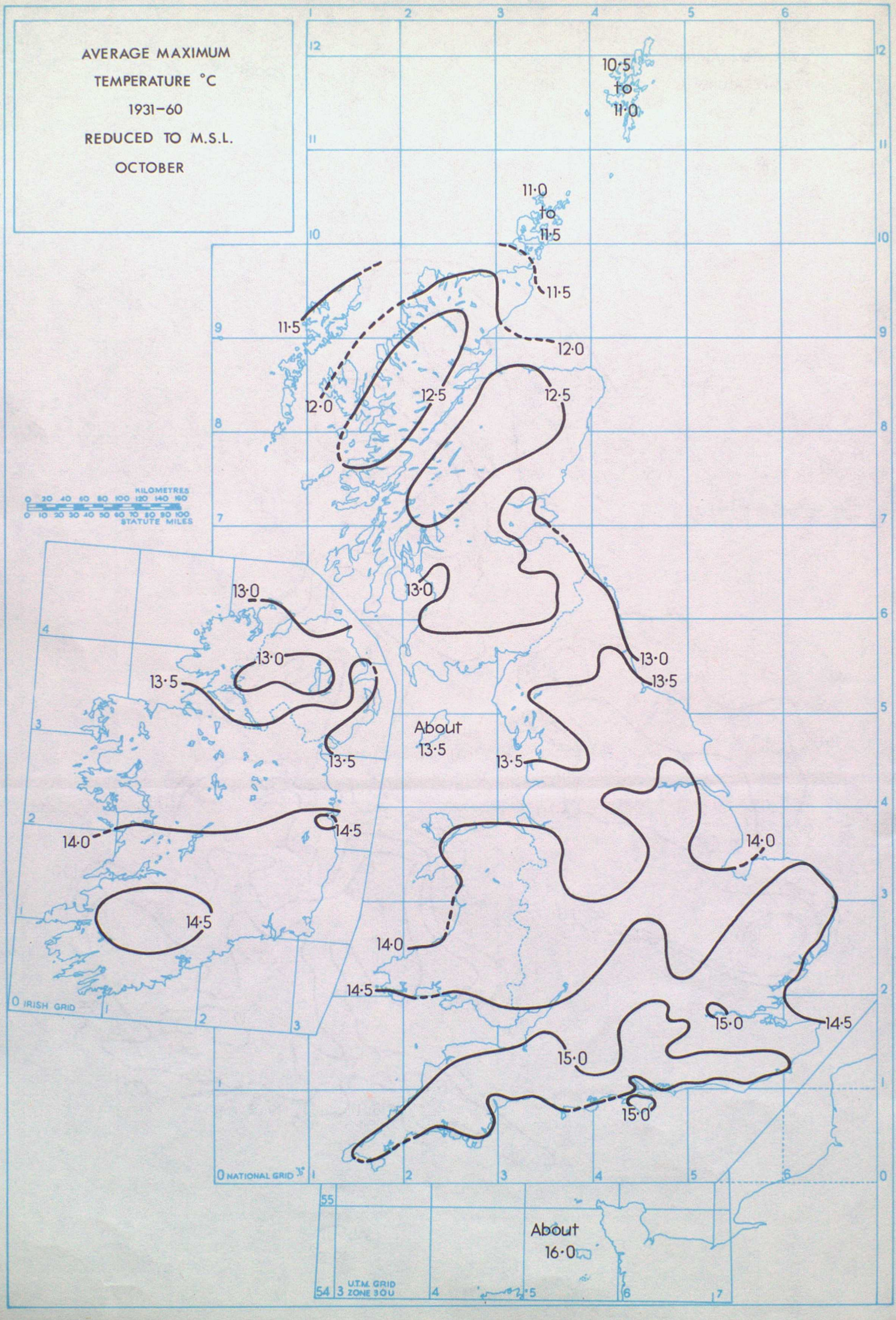
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
OCTOBER
10·5
to
11·0
11·0
to
11·5
11·5
11·5
12·0
12·0
12·5
12·5
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13·5
About
13·5
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14·0
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14·0
14·5
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15·0
15·0
14·5
About
16·0
KILOMETRES
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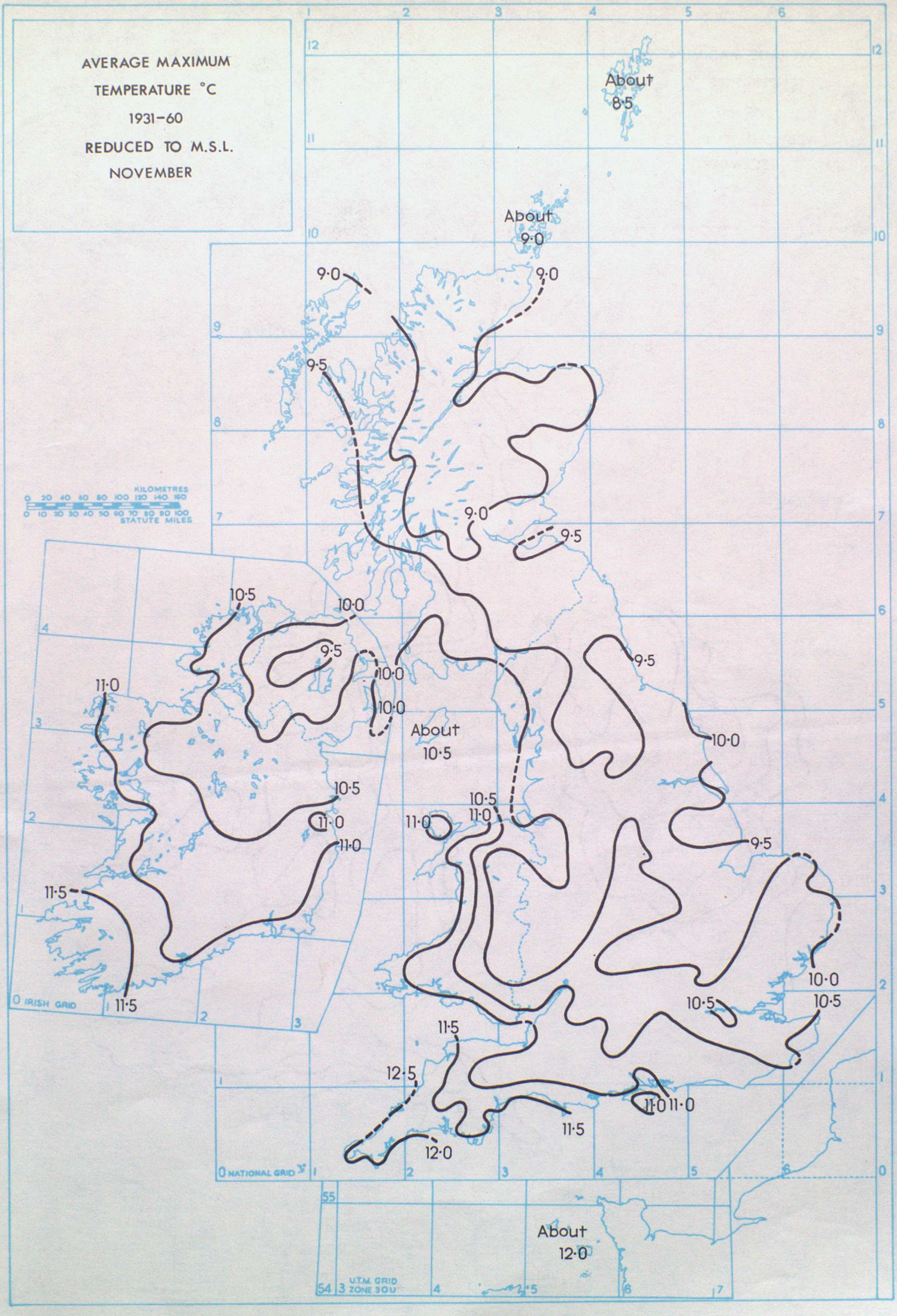
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
NOVEMBER
About 8·5
About 9·0
9·0
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9·5
9·0
9·5
10·5
10·0
9·5
10·0
10·0
9·5
11·0
10·0
About 10·5
10·0
10·5
10·5
11·0
11·0
11·0
9·5
11·5
11·5
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10·5
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12·5
11·0
11·0
11·5
12·0
About 12·0
KILOMETRES
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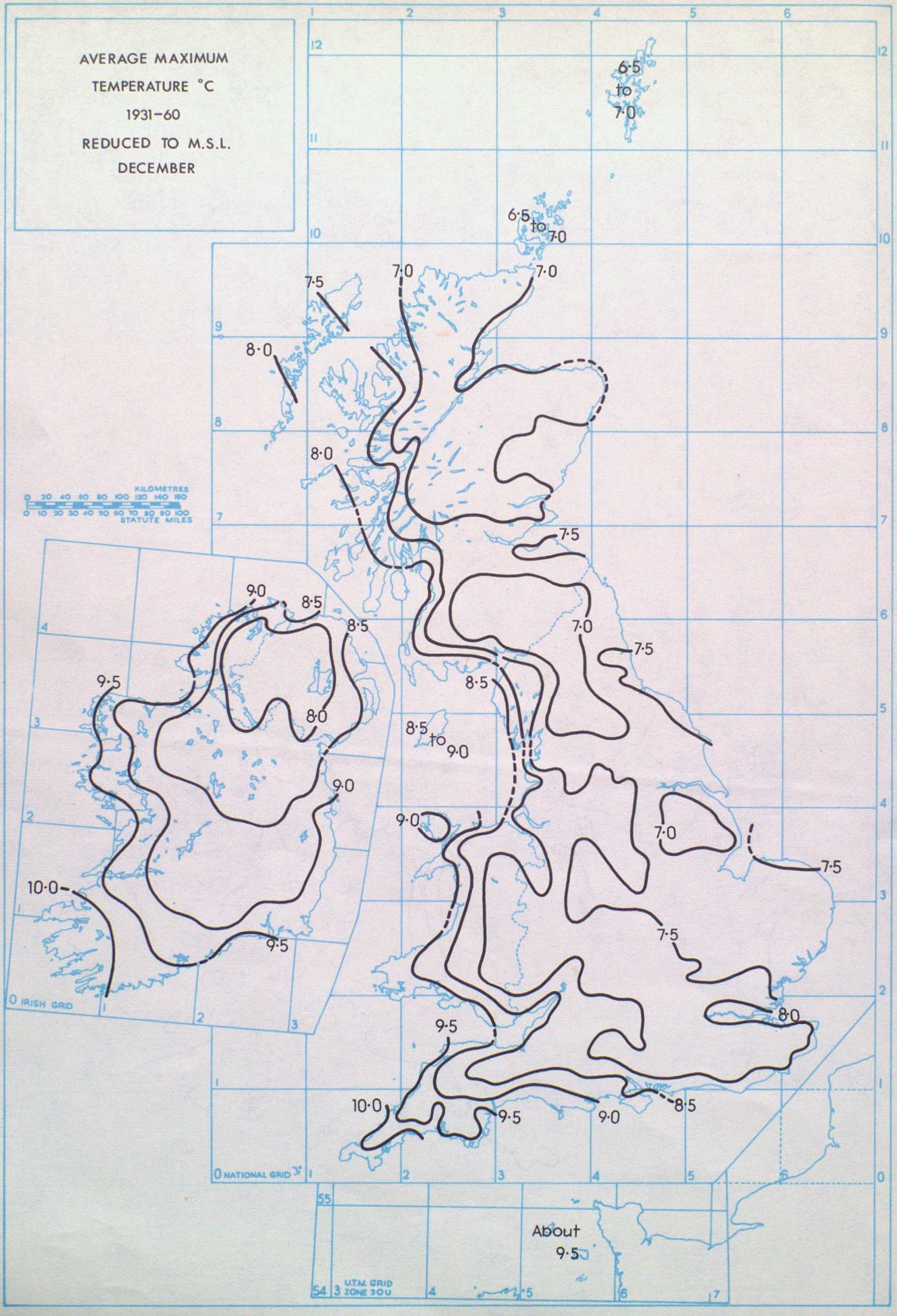
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
DECEMBER
6·5 to 7·0
6·5 to 7·0
7·0
7·0
7·5
8·0
8·0
7·5
7·0
7·5
8·5
9·0
8·5
8·5
8·0
9·5
8·5 to 9·0
9·0
9·0
7·0
7·5
10·0
7·5
9·5
8·0
9·5
10·0
9·5
9·0
8·5
About 9·5
KILOMETRES
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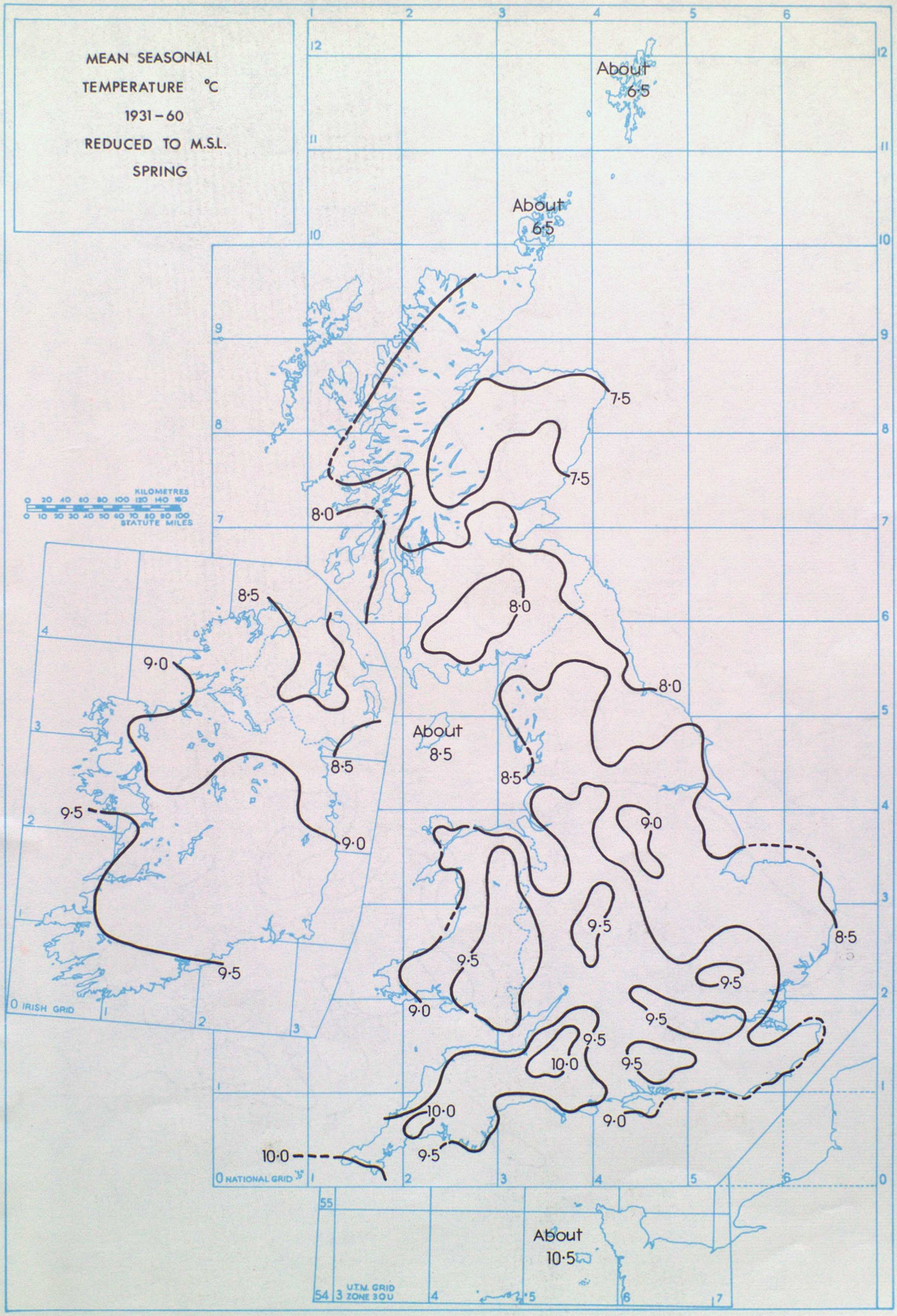
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U


MEAN SEASONAL
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
SPRING
About 6·5
About 6·5
7·5
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8·0
8·5
8·0
8·0
9·0
About 8·5
8·5
8·5
9·5
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10·0
9·5
10·0
9·0
10·0
9·5
About 10·5
KILOMETRES
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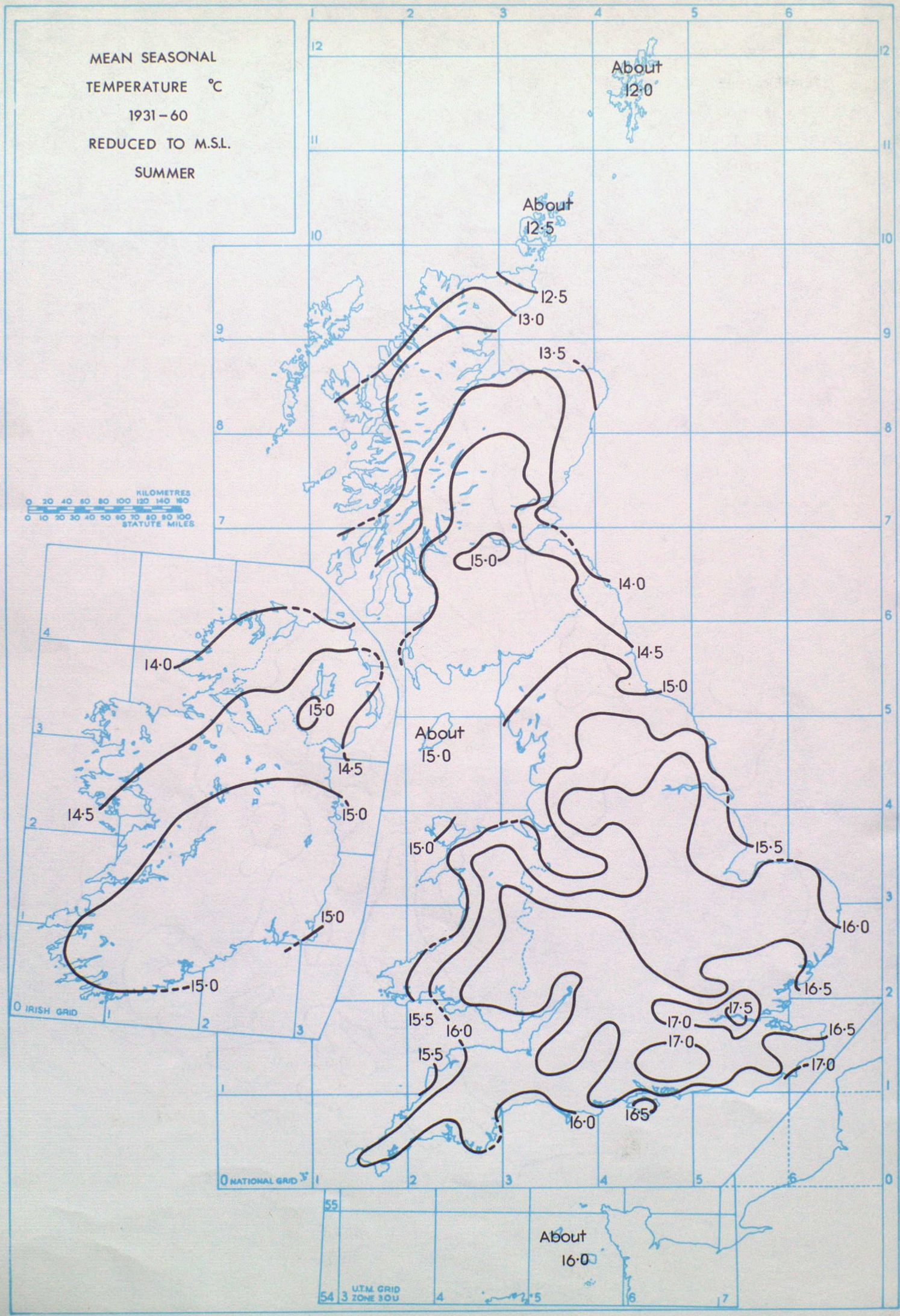
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U


MEAN SEASONAL
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
SUMMER
About
12·0
About
12·5
12·5
13·0
13·5
15·0
14·0
14·5
15·0
About
15·0
14·0
15·0
14·5
14·5
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15·0
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16·0
16·5
17·0
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15·5
16·0
15·5
16·0
16·5
17·0
15·0
15·0
KILOMETRES
0 20 40 60 80 100 120 140 160
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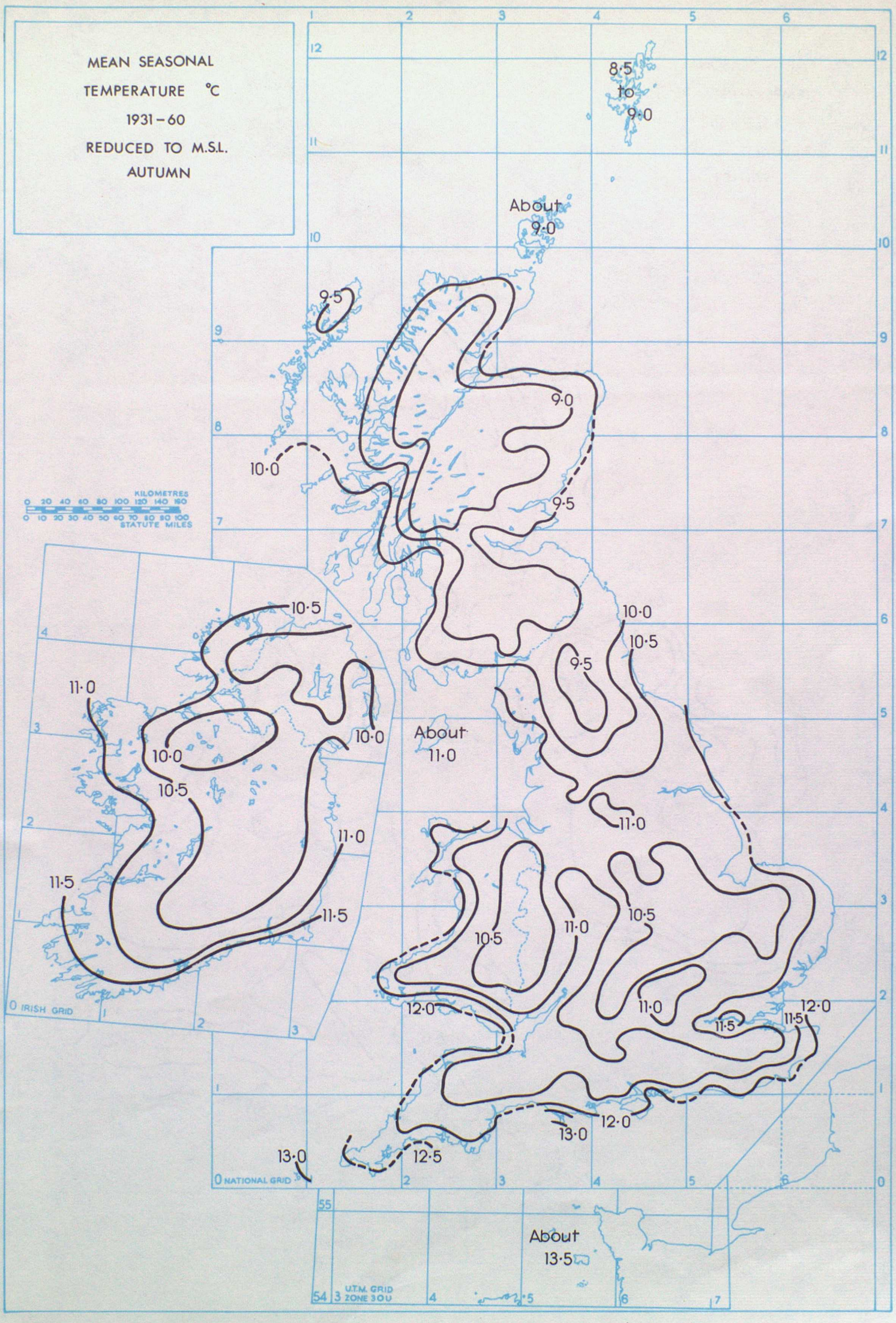
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U
About
16·0


MEAN SEASONAL
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
AUTUMN
8·5
to
9·0
About
9·0
9·5
9·0
10·0
9·5
10·0
10·5
9·5
10·5
11·0
10·0
About
11·0
10·0
10·5
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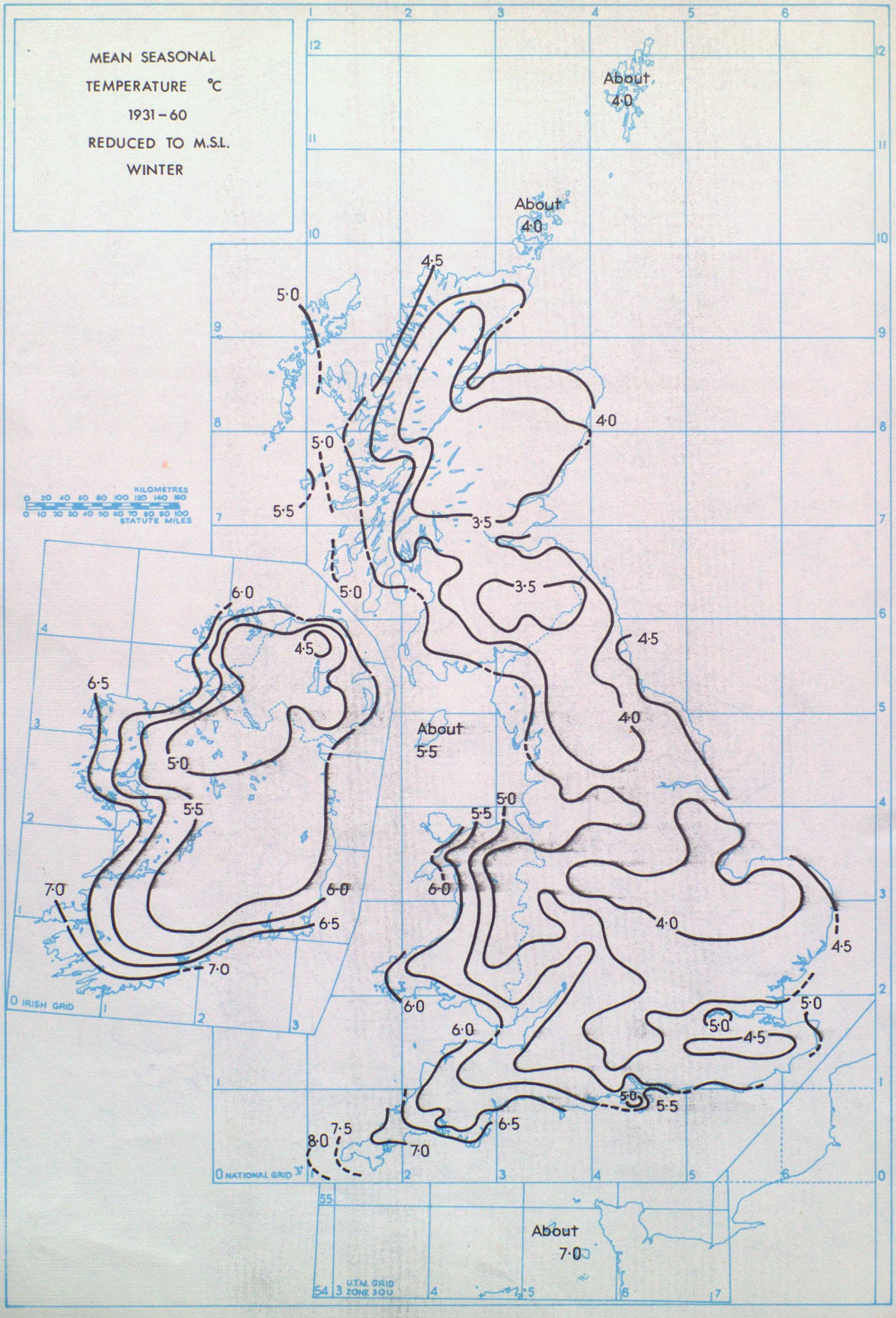
10·5
11·0
10·5
11·0
12·0
11·5
12·0
12·0
13·0
13·0
12·5
About
13·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


MEAN SEASONAL
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
WINTER
About 4·0
About 4·0
About 5·5
About 7·0
4·5
5·0
4·0
5·0
5·5
3·5
3·5
6·0
4·5
4·5
6·5
4·0
5·0
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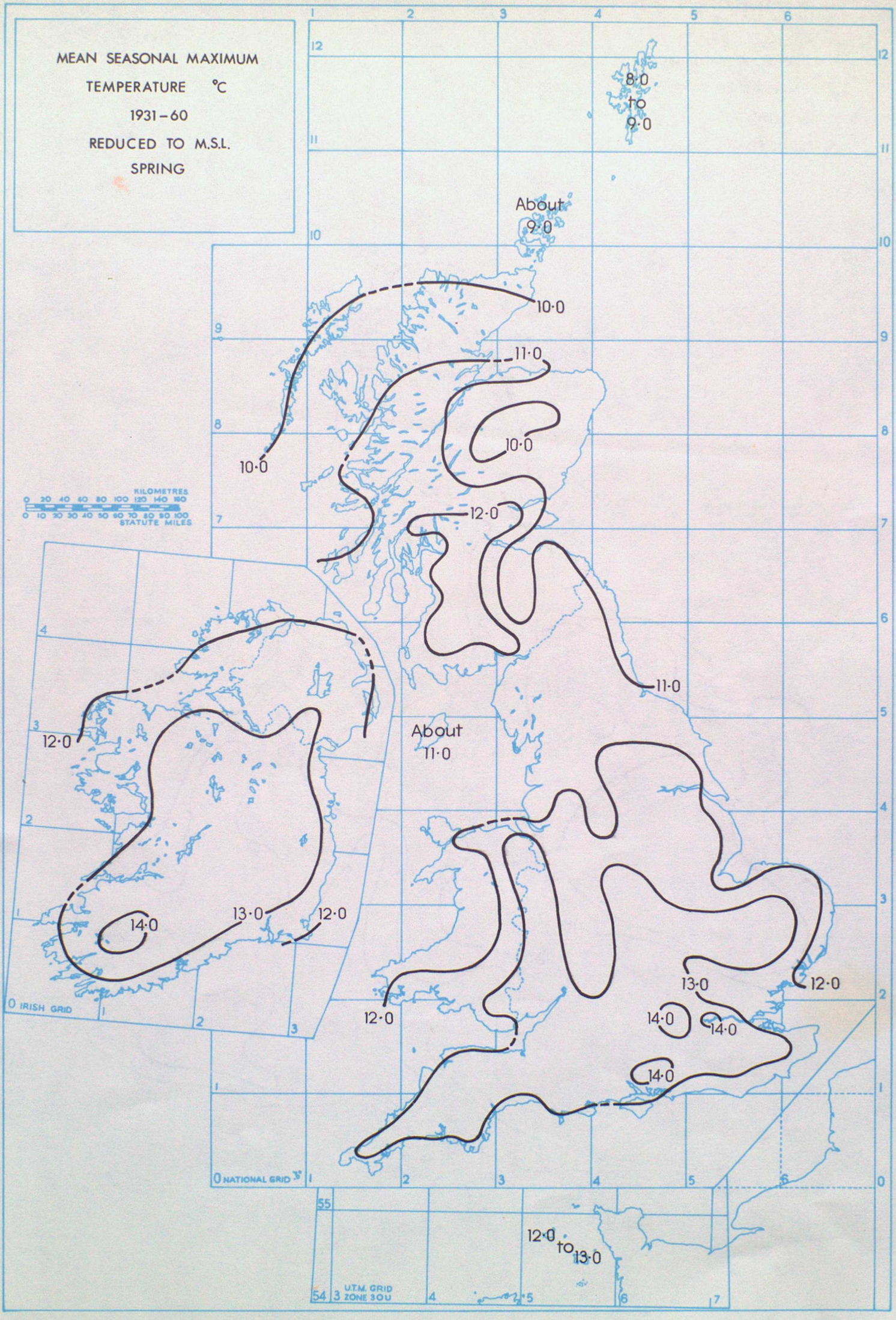
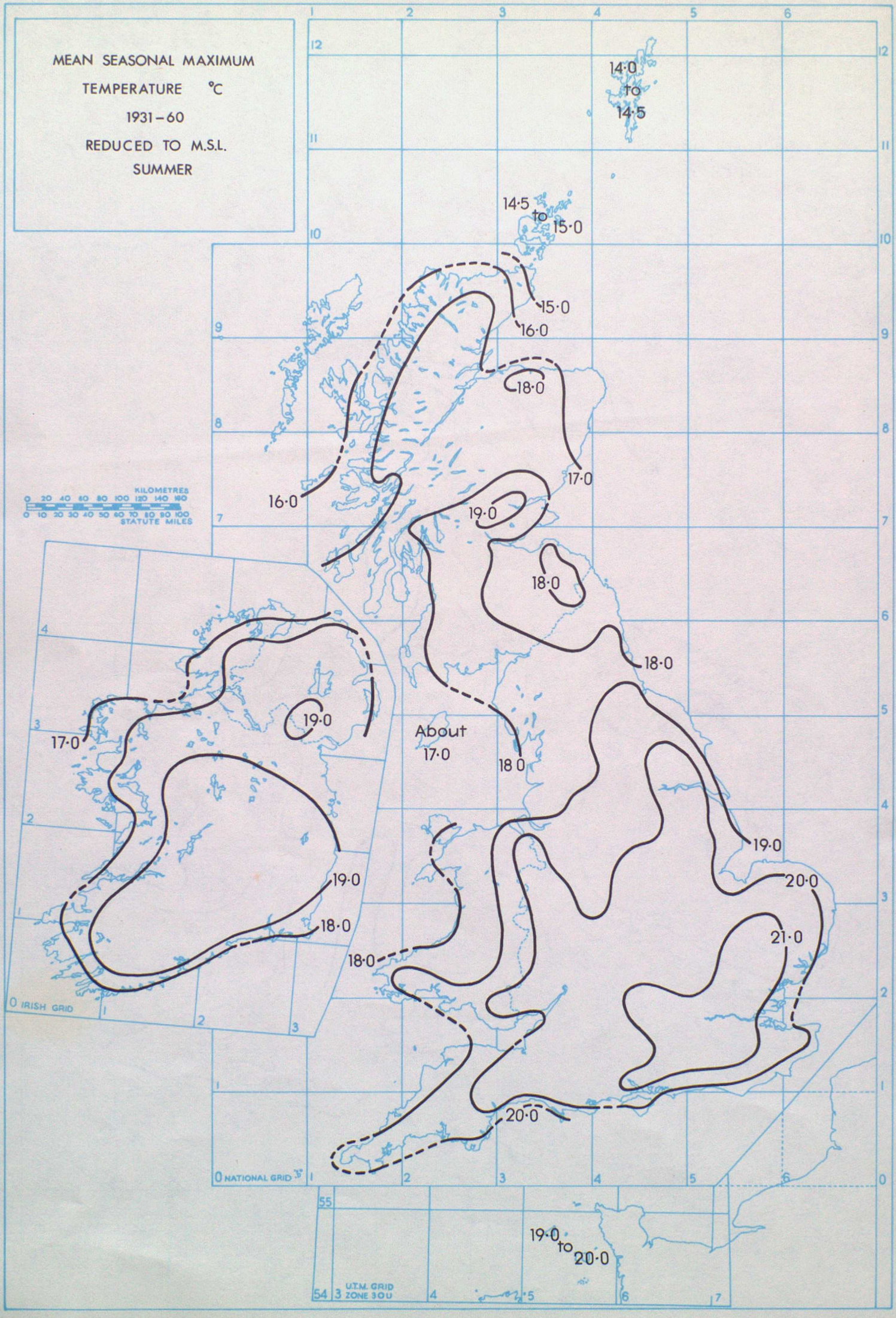
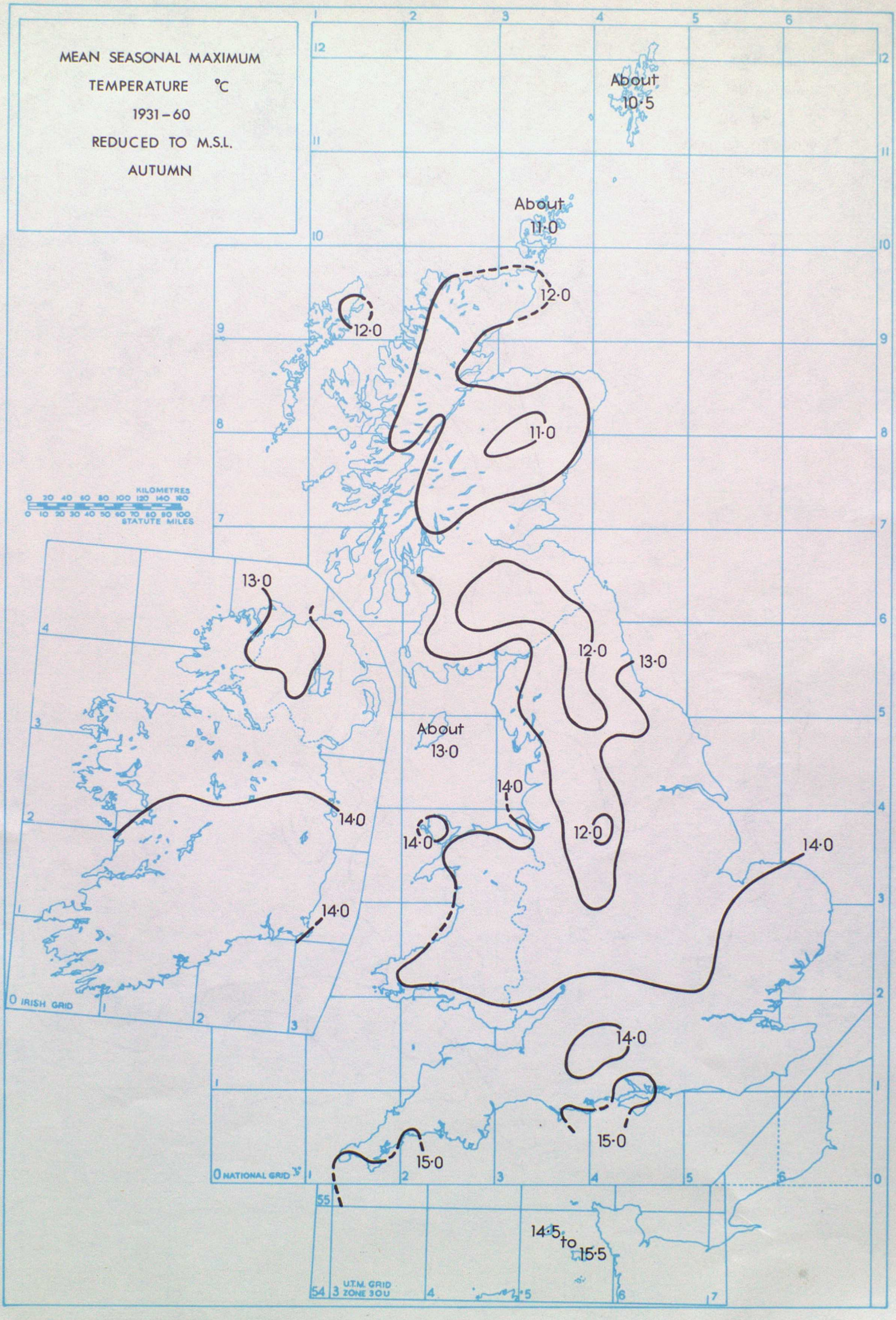
4·5
7·0
5·0
6·0
5·0
4·5
6·0
5·0
5·5
6·5
8·0
7·5
7·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
ZONE 30U


MEAN SEASONAL MAXIMUM
TEMPERATURE °C
1931 – 60
REDUCED TO M.S.L.
SPRING
8·0
to
9·0
About
9·0
10·0
11·0
10·0
10·0
12·0
11·0
About
11·0
12·0
14·0
13·0
12·0
12·0
13·0
12·0
14·0
14·0
14·0
12·0
to
13·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


MEAN SEASONAL MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
SUMMER
14·0 to 14·5
14·5 to 15·0
15·0
16·0
18·0
17·0
16·0
19·0
18·0
18·0
17·0
19·0
About 17·0
18 0
19·0
19·0
18·0
18·0
20·0
21·0
20·0
19·0 to 20·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U


MEAN SEASONAL MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
AUTUMN
About
10·5
About
11·0
12·0
12·0
11·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
13·0
12·0
13·0
About
13·0
14·0
14·0
12·0
14·0
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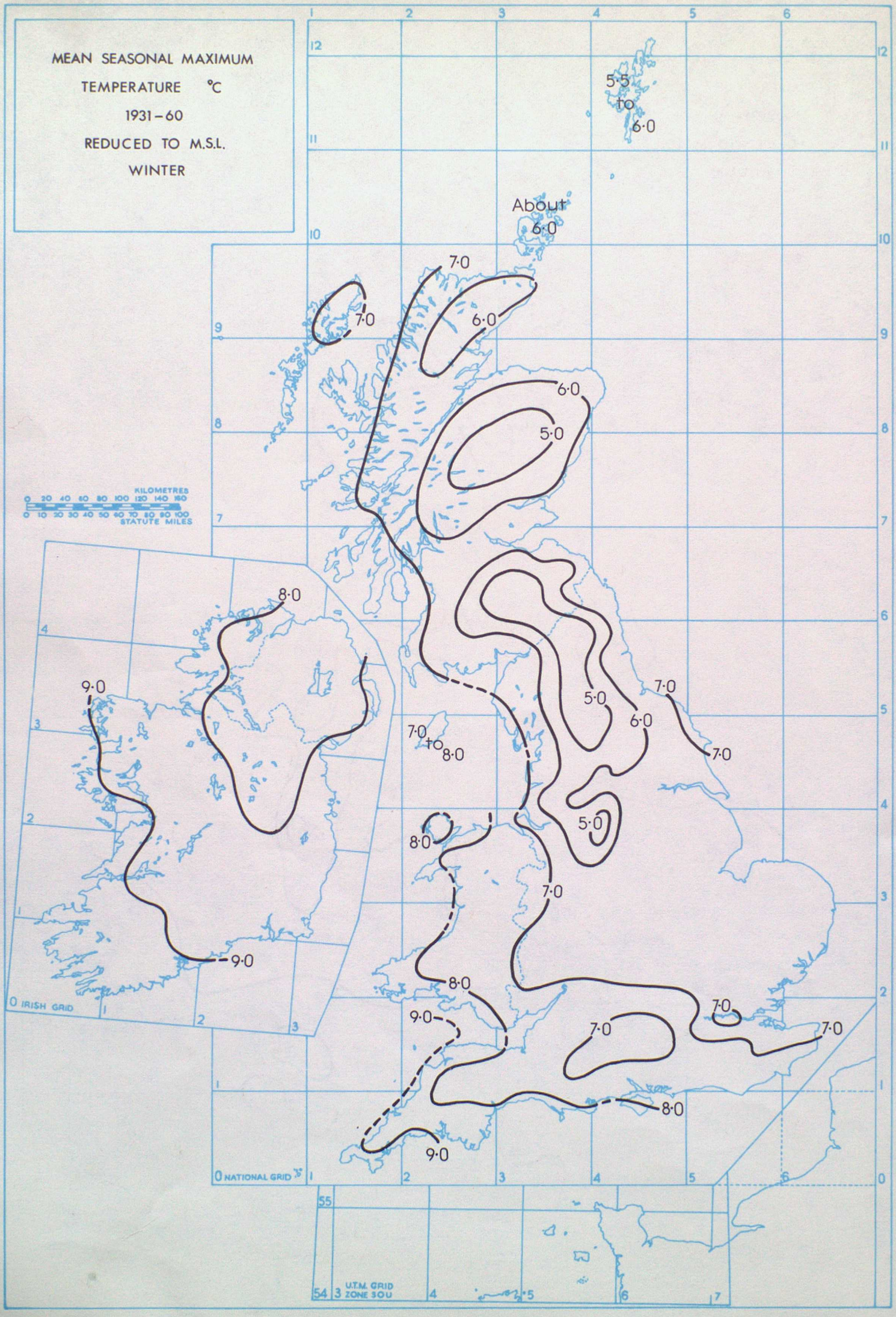
15·0
15·0
14·5 to 15·5
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


MEAN SEASONAL MAXIMUM
TEMPERATURE °C
1931–60
REDUCED TO M.S.L.
WINTER
5·5
to
6·0
About
6·0
7·0
7·0
6·0
6·0
5·0
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
8·0
9·0
7·0
to
8·0
5·0
6·0
7·0
5·0
8·0
7·0
9·0
8·0
7·0
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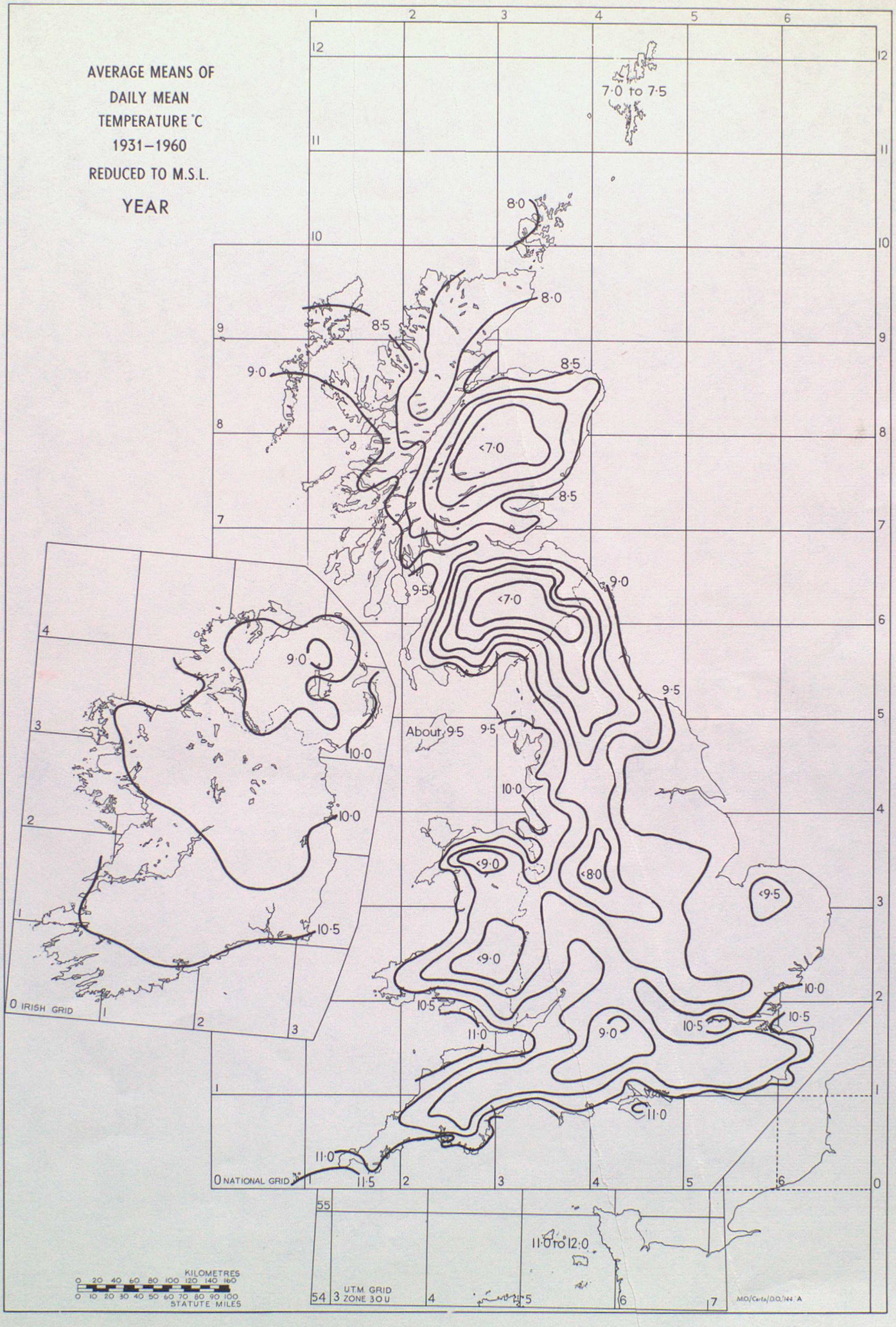
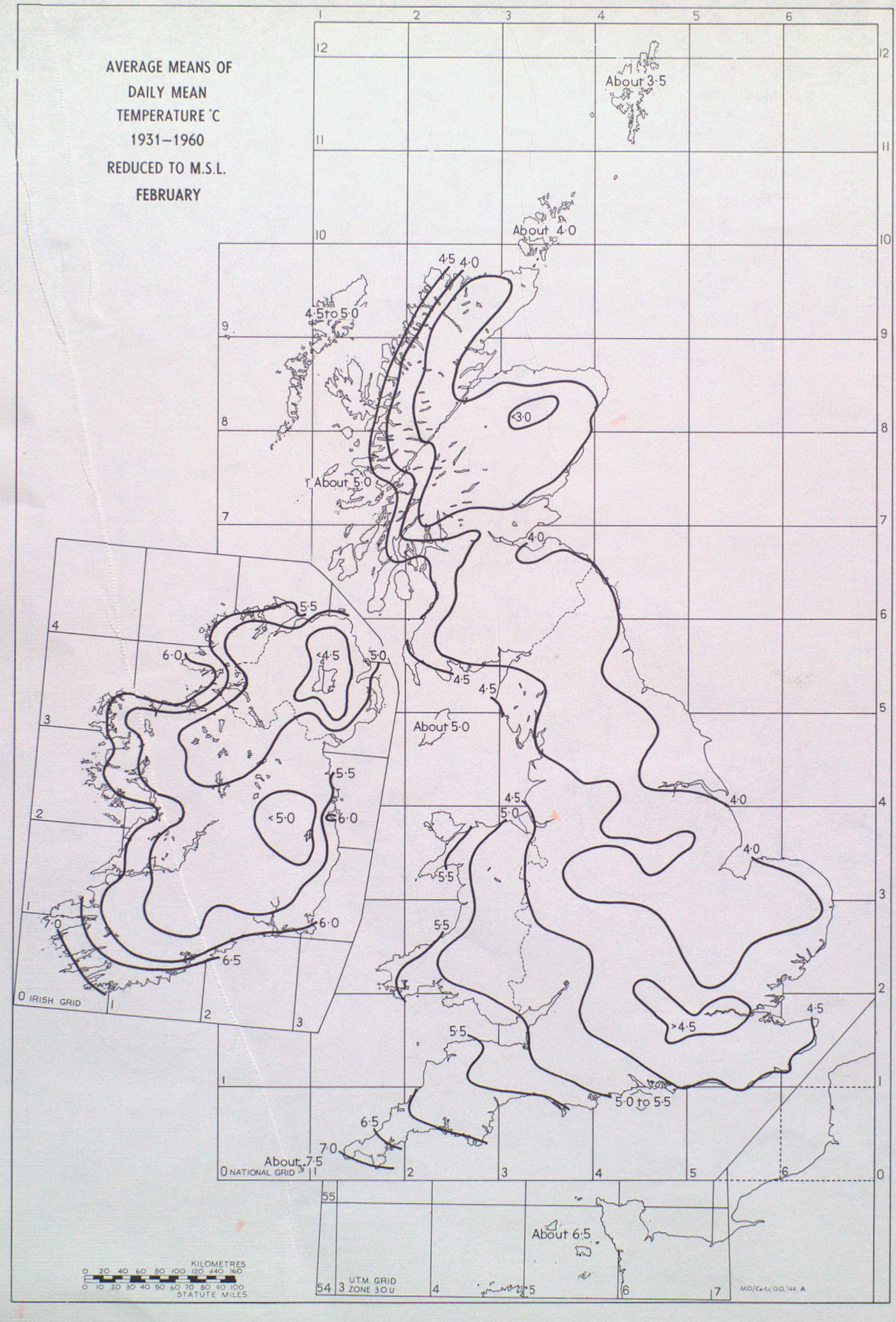
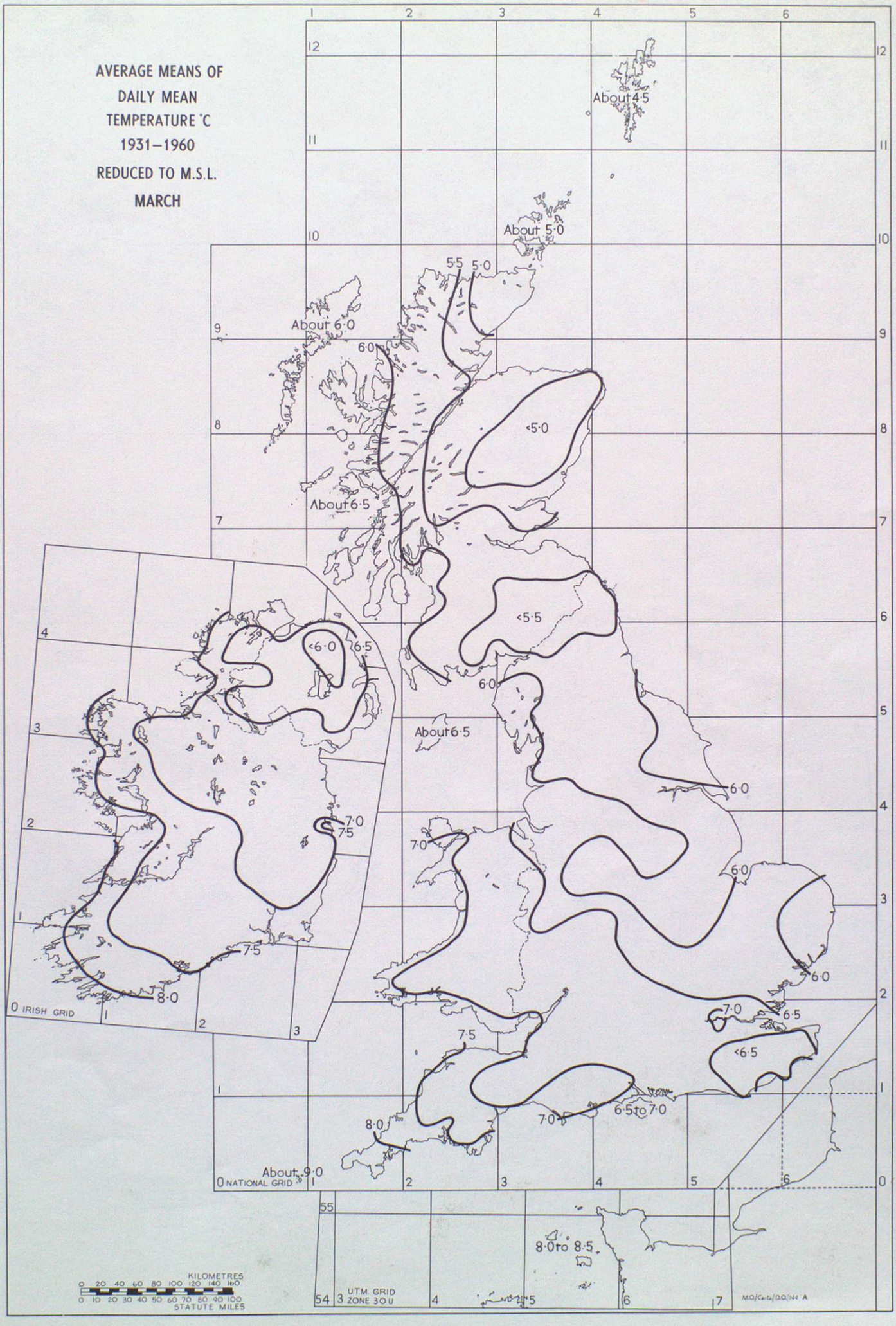
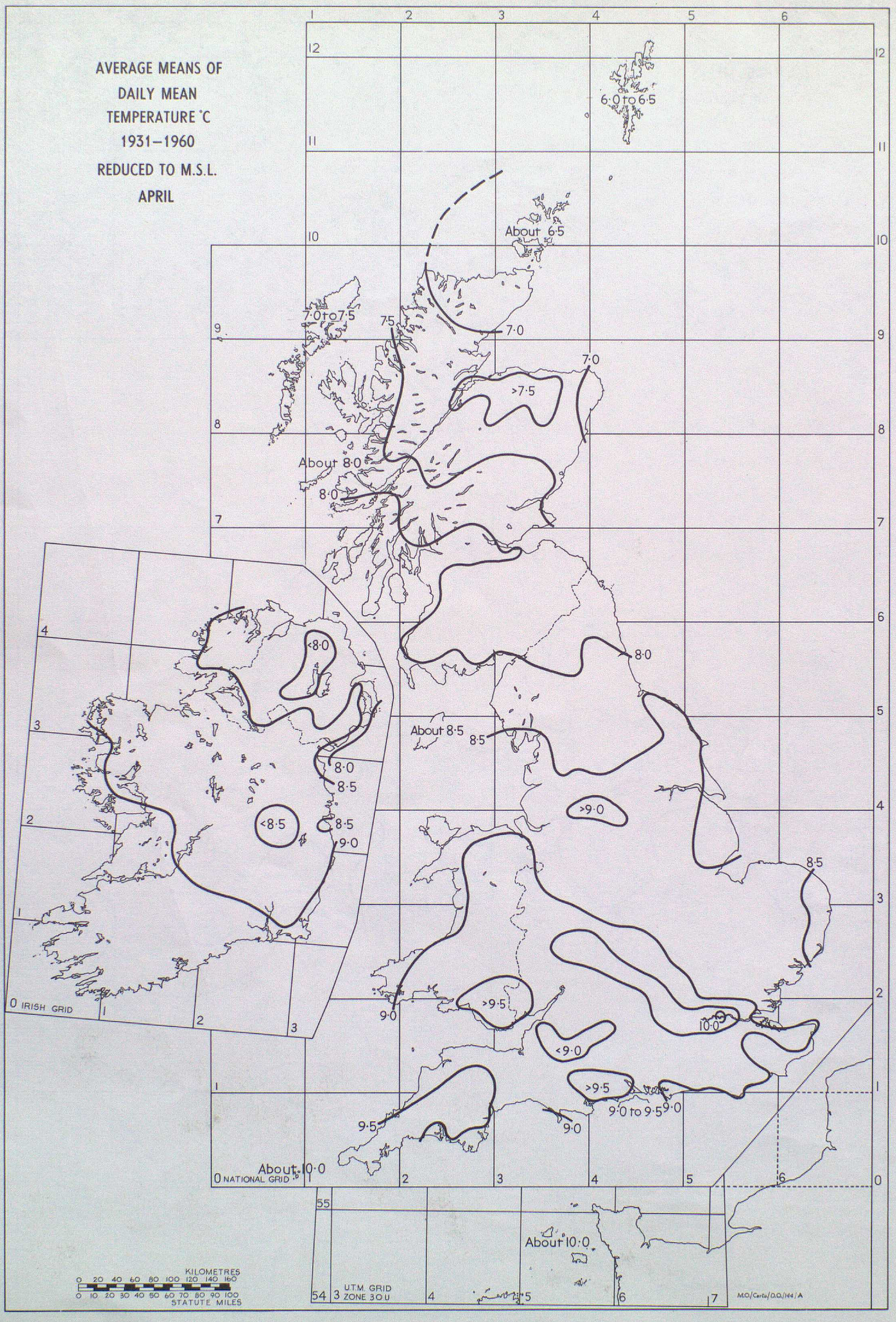
9·0
7·0
8·0
9·0
IRISH GRID
NATIONAL GRID
U.T.M. GRID
ZONE 30U


AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
YEAR
7·0 to 7·5
8·0
8·5
9·0
9·5
<7·0
About 9·5
10·0
10·5
11·0
<9·0
<8·0
11·0 to 12·0
11·5
O IRISH GRID
O NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
54 3 UTM GRID ZONE 30U
MO/Carto/DO./144 A

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
JANUARY
3·5 to 4·0
About 4·0
4·5 to 5·0
4·5
4·0
<3·0
3·5
<3·0
5·5
5·0
4·0
6·0
5·0
4·0
5·0 to 5·5
4·0
4·0
5·5
5·0
4·5
<3·5
<3·5
5·5
<3·5
6·0
4·0
6·5
4·0
7·0
4·5
4·5
6·0
4·5 to 5·0
7·0
7·5
About 8·0
6·5 to 7·0
0 IRISH GRID
0 NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
U.T.M. GRID
ZONE 30 U
M.O./Cartg/D.O./144/A


AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
FEBRUARY
About 3·5
About 4·0
4·5
4·0
4·5 to 5·0
<3·0
About 5·0
4·0
5·5
6·0
<4·5
5·0
4·5
4·5
About 5·0
5·5
4·5
5·0
6·0
<5·0
4·0
4·0
5·5
7·0
6·0
5·5
6·5
>4·5
4·5
5·5
5·0 to 5·5
6·5
7·0
About 7·5
About 6·5
0 IRISH GRID
0 NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
MARCH
About 4·5
About 5·0
About 6·0
About 6·5
About 9·0
5·5
5·0
6·0
<5·0
<5·5
<6·0
6·5
7·0
7·5
8·0
<6·5
6·5 to 7·0
8·0 to 8·5
O IRISH GRID
O NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Carto/D.O./144 A


AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
APRIL
6·0 to 6·5
About 6·5
7·0 to 7·5
7·5
7·0
>7·5
About 8·0
8·0
<8·0
About 8·5
8·5
8·0
8·5
<8·5
8·5
9·0
>9·0
8·5
9·0
>9·5
10·0
<9·0
>9·5
9·0 to 9·5
9·0
9·5
9·0
About 10·0
About 10·0
0 IRISH GRID
0 NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
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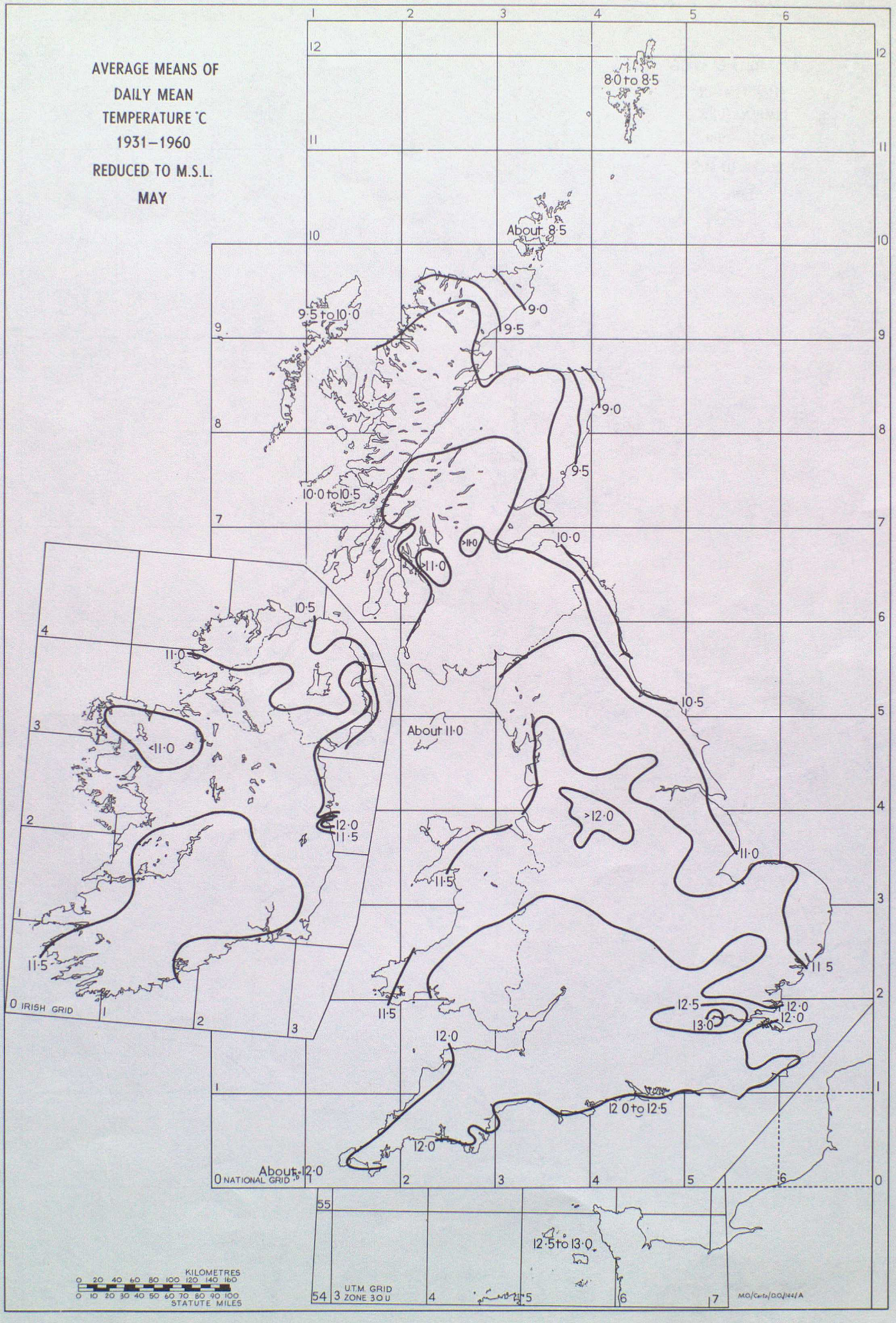
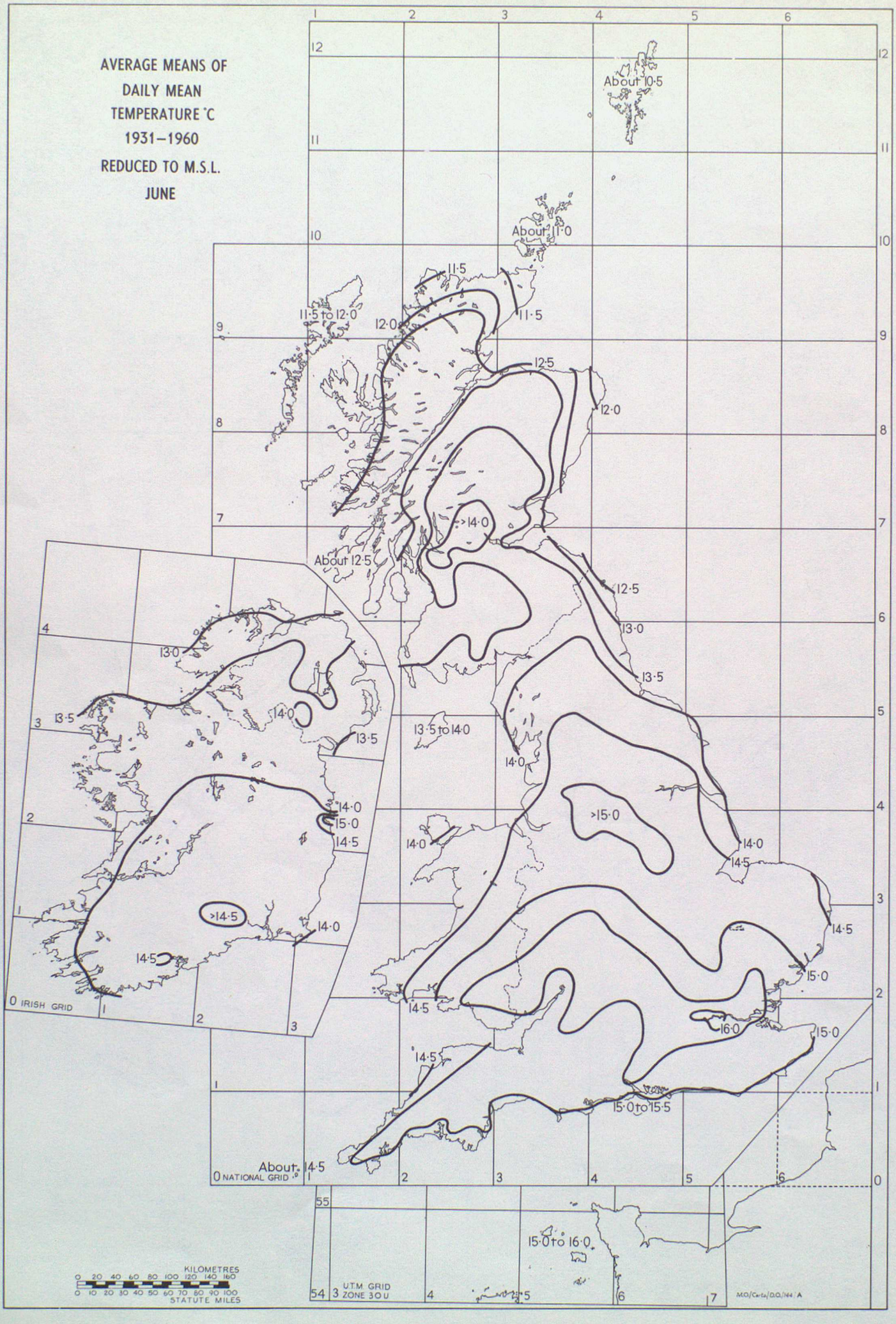
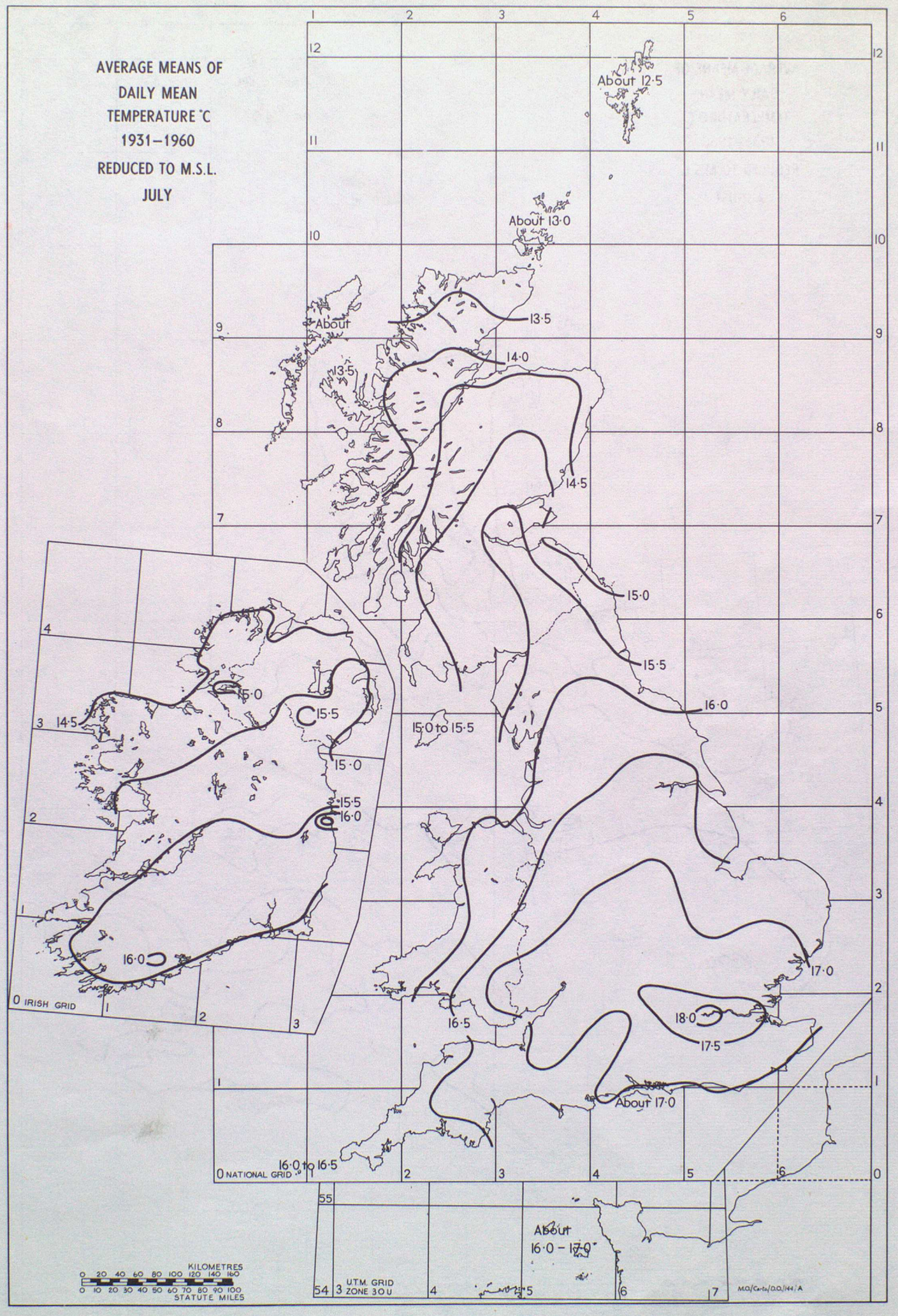
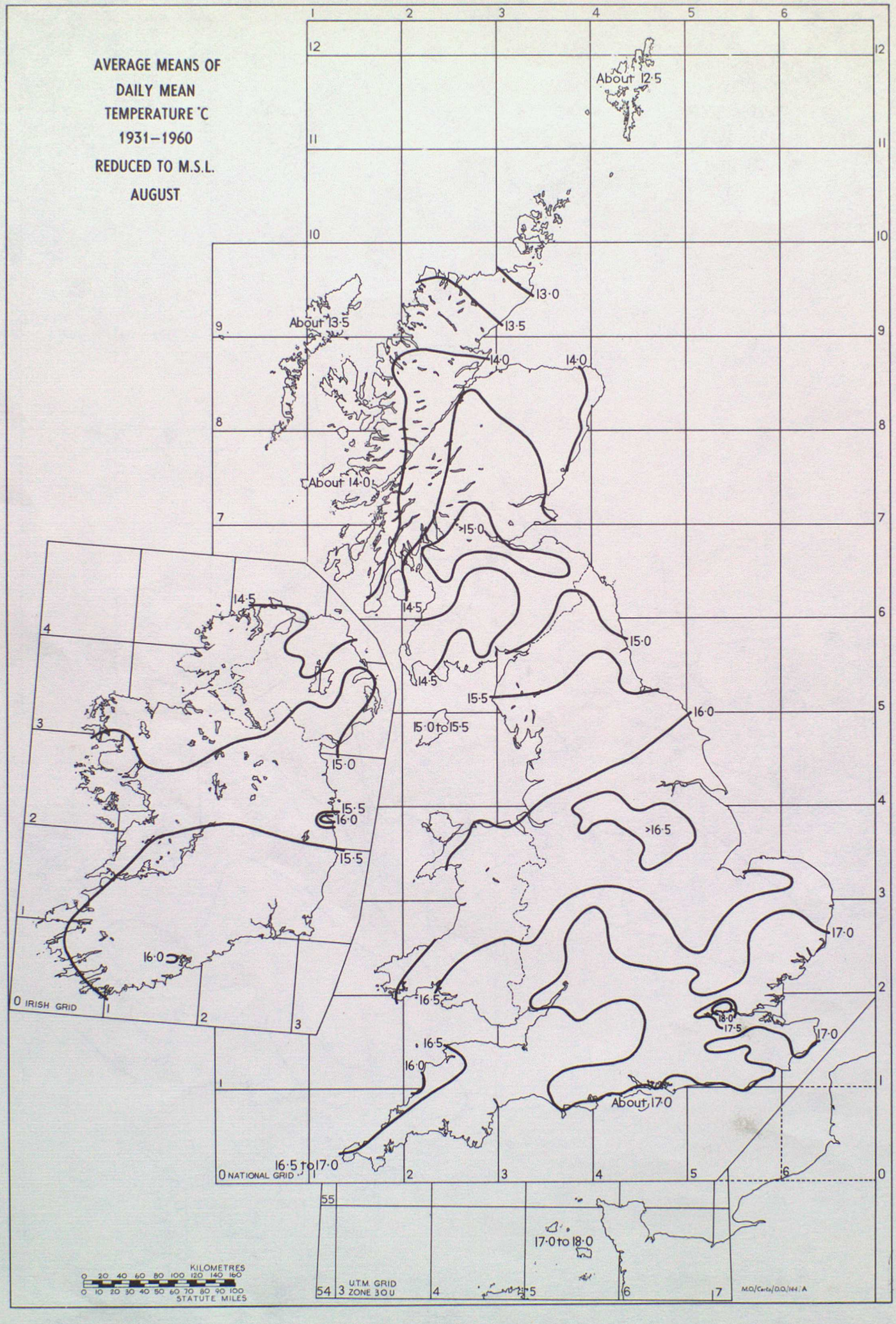
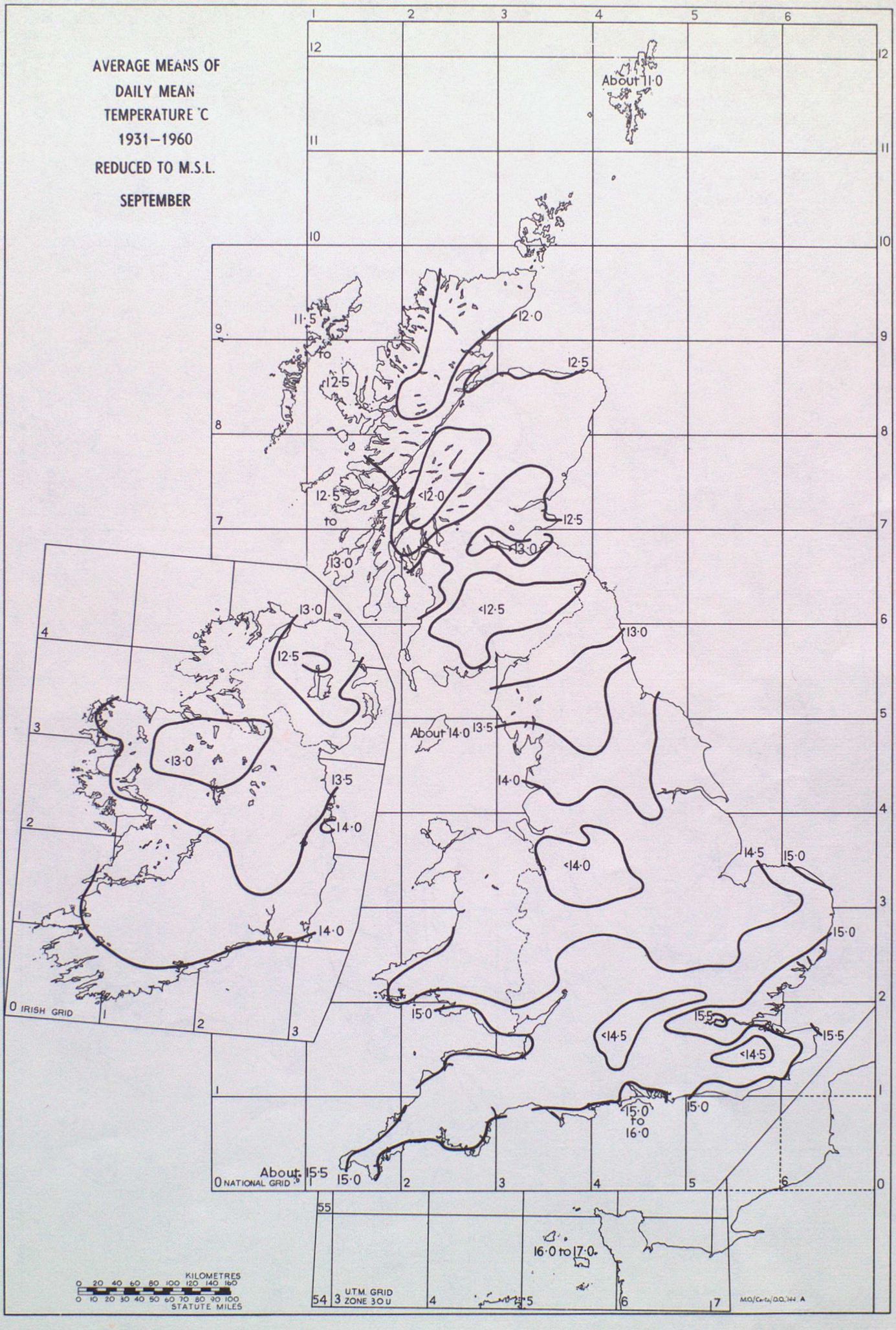
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Cartg./D.O./144/A

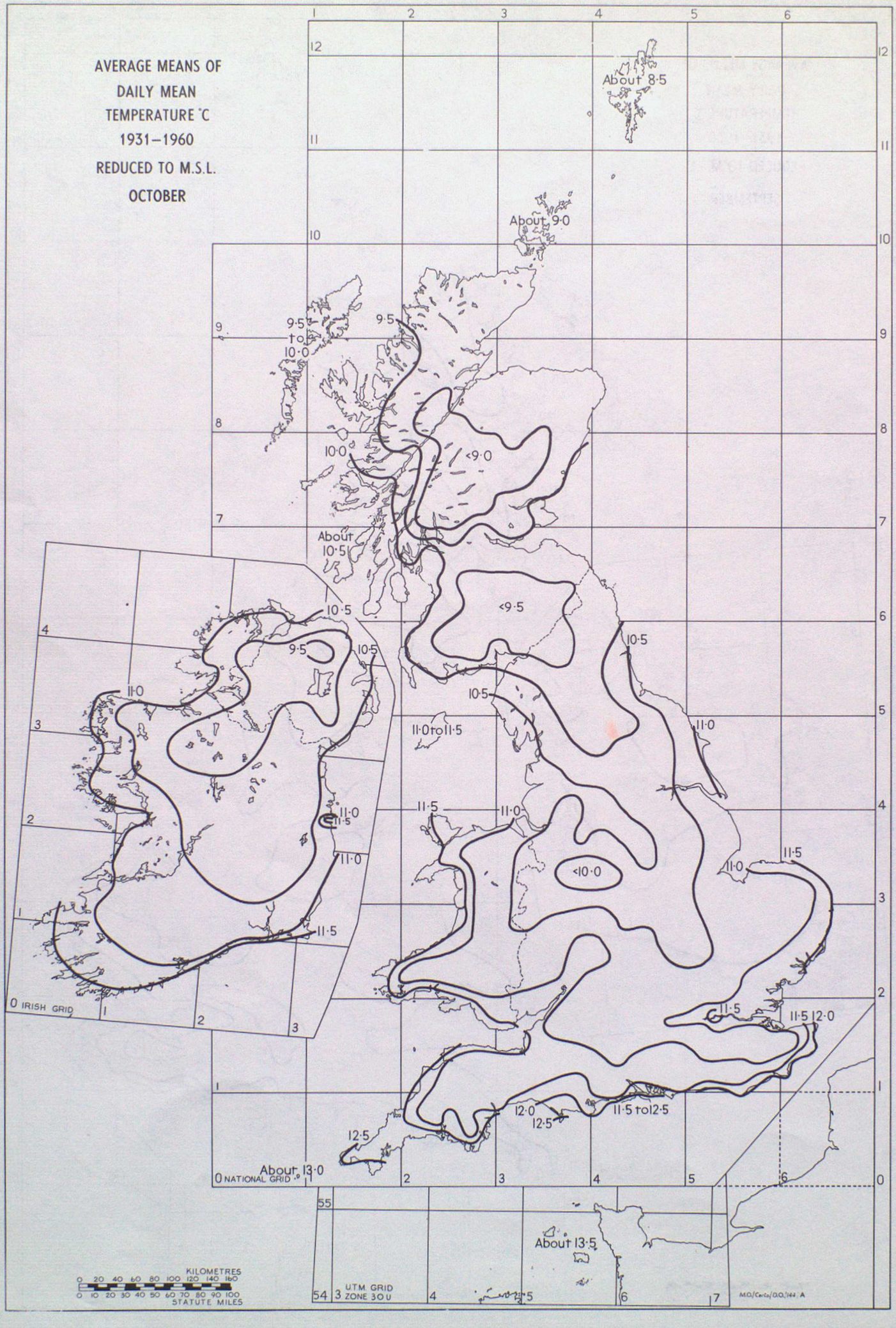

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
MAY
8·0 to 8·5
About 8·5
9·5 to 10·0
9·0
9·5
9·0
10·0 to 10·5
9·5
10·0
>11·0
11·0
10·5
11·0
<11·0
About 11·0
10·5
>12·0
12·0
11·5
11·0
11·5
11·5
11 5
12·5
12·0
13·0
12·0
12·0
12 0 to 12·5
12·0
About 12·0
12·5 to 13·0
0 IRISH GRID
0 NATIONAL GRID
U.T.M. GRID
ZONE 30 U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
MO/Cartn/DQ/144/A

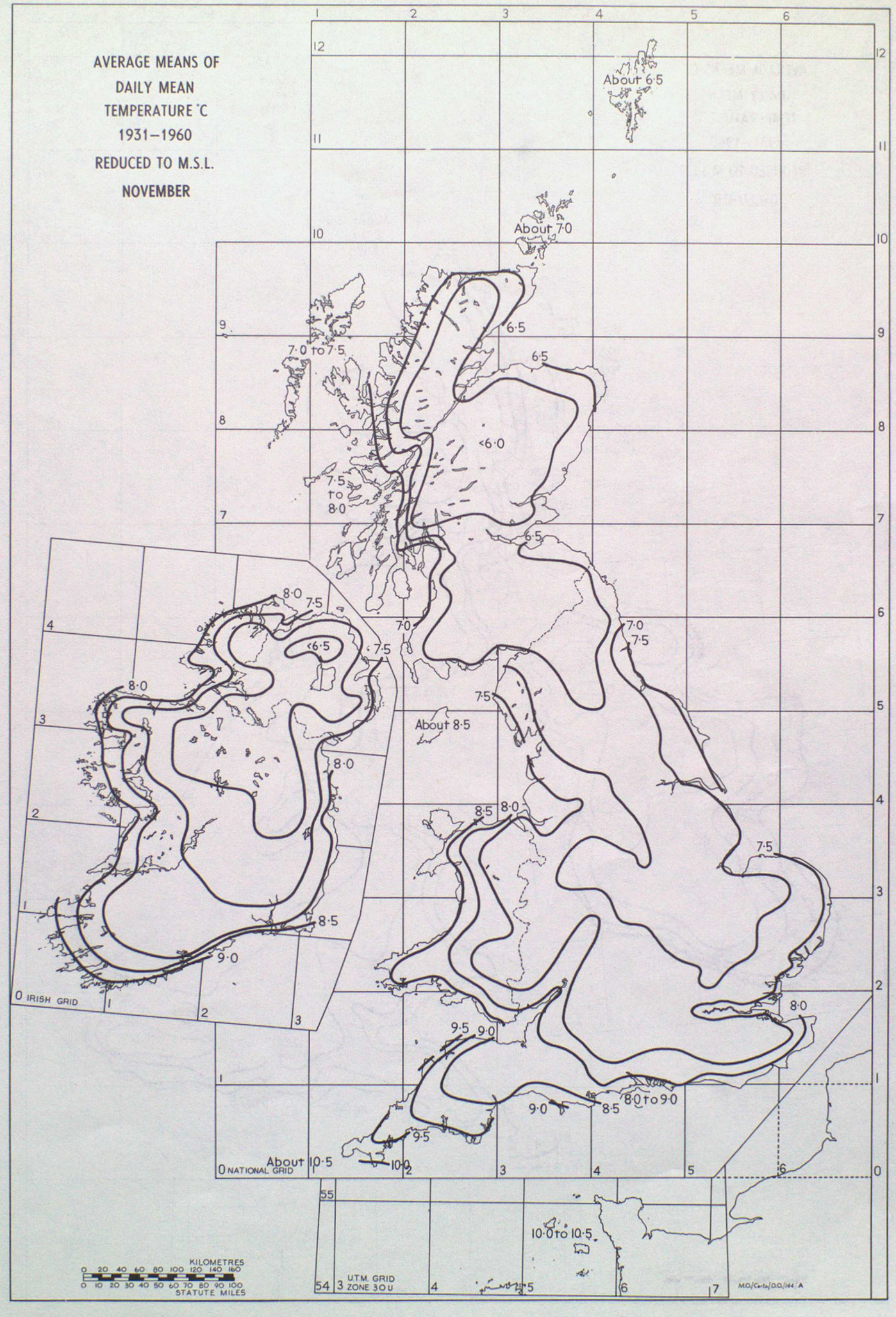

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
JUNE
About 10·5
About 11·0
11·5
11·5 to 12·0
12·0
11·5
12·5
12·0
>14·0
About 12·5
12·5
13·0
13·5
13·0
13·5
14·0
13·5 to 14·0
14·0
14·0
15·0
14·5
>14·5
14·0
14·5
>15·0
14·0
14·5
14·5
15·0
16·0
15·0
14·5
15·0 to 15·5
About 14·5
15·0 to 16·0
0 IRISH GRID
0 NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
54 3 U.T.M. GRID ZONE 30U
M.O./Cartg/D.O./144/A

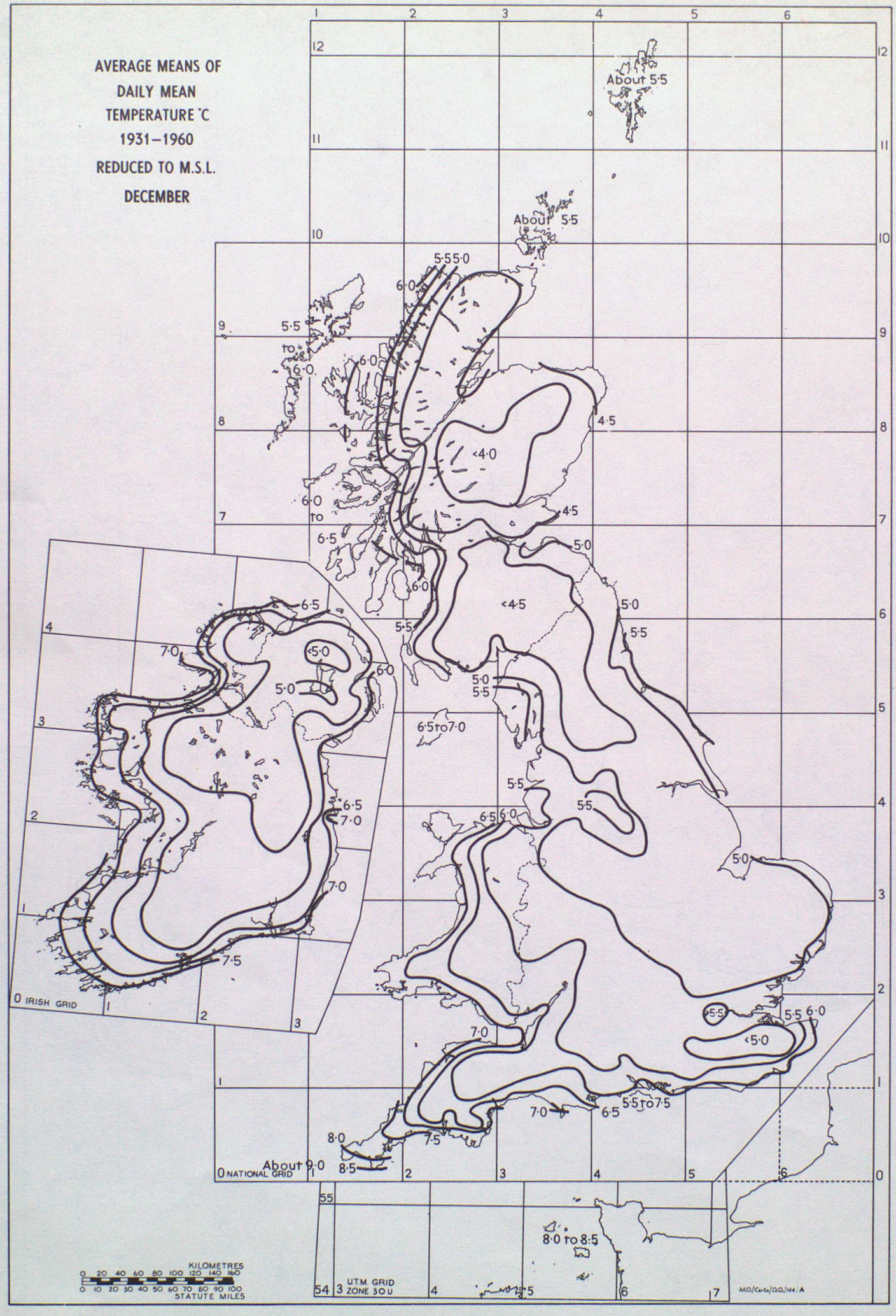

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
JULY
About 12·5
About 13·0
About
13·5
13·5
14·0
14·5
15·0
15·5
16·0
15·0 to 15·5
14·5
15·0
15·5
15·5
16·0
16·0
16·5
17·0
18·0
17·5
About 17·0
16·0 to 16·5
About
16·0 – 17·0
0 IRISH GRID
0 NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
U.T.M. GRID
ZONE 30U
M.O./Cartg/D.O./144/A

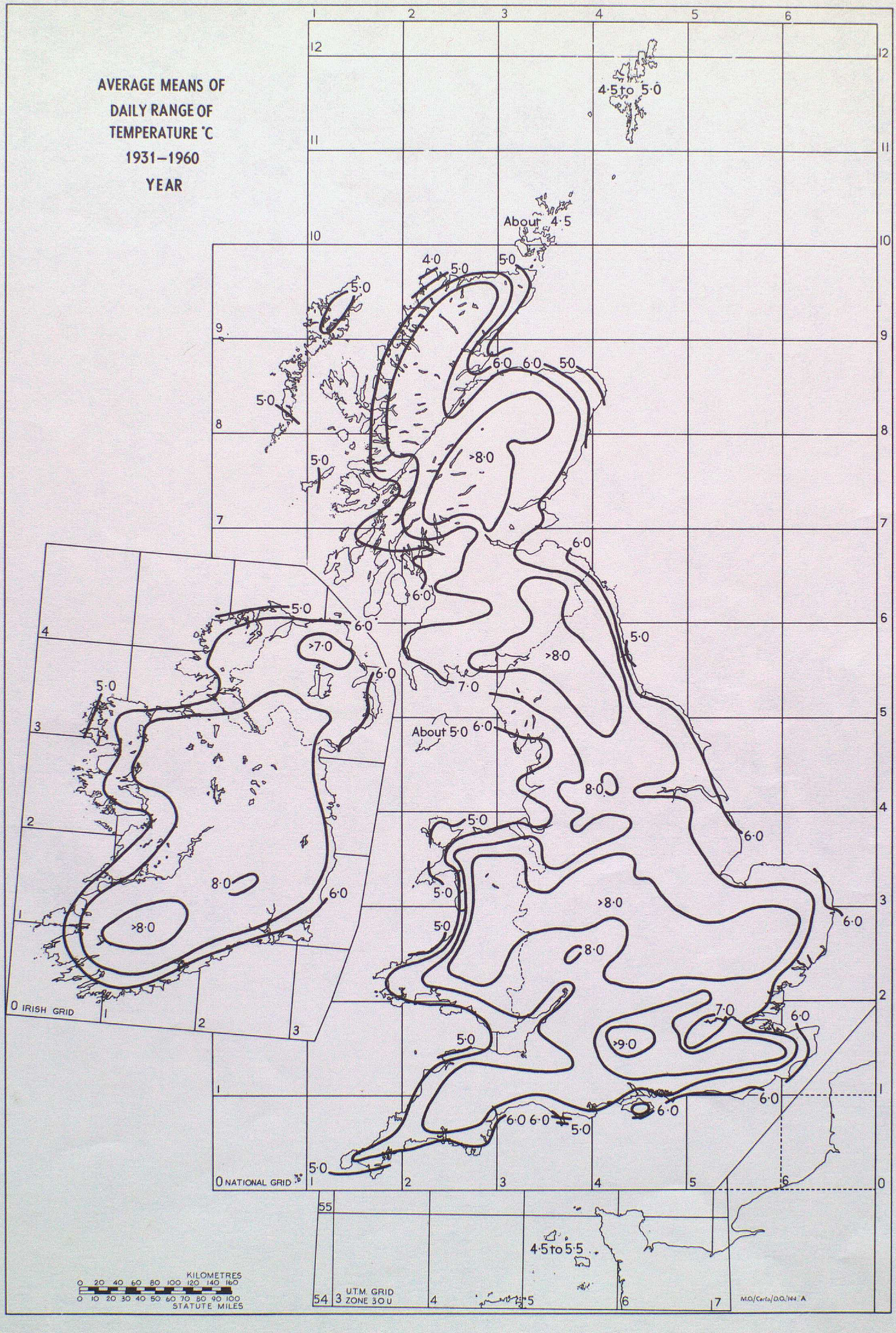

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
AUGUST
About 12·5
13·0
13·5
About 13·5
14·0
14·0
About 14·0
>15·0
14·5
14·5
15·0
14·5
15·5
16·0
15·0 to 15·5
15·0
15·5
16·0
15·5
>16·5
16·0
17·0
16·5
18·0
17·5
17·0
16·5
16·0
About 17·0
16·5 to 17·0
17·0 to 18·0
0 IRISH GRID
0 NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Cents/D.O./144/A

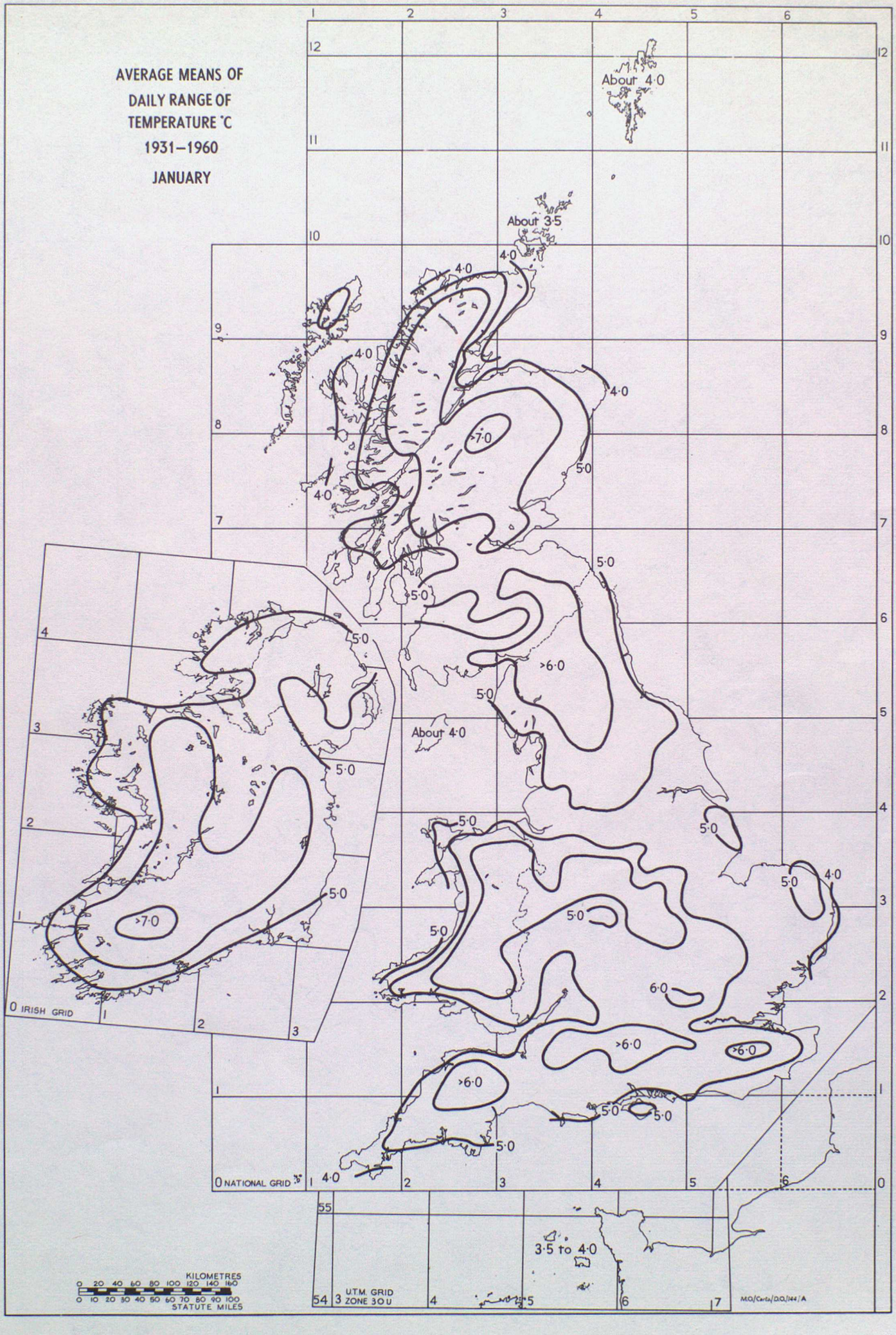

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
SEPTEMBER
About 11·0
11·5
to
12·5
12·0
12·5
12·5
to
13·0
<12·0
12·5
13·0
<12·5
13·0
13·0
12·5
<13·0
13·5
14·0
About 14·0
13·5
14·0
<14·0
14·5
15·0
15·0
15·0
15·5
<14·5
15·5
<14·5
15·0
to
16·0
15·0
About 15·5
16·0 to 17·0
O IRISH GRID
O NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
U.T.M. GRID
ZONE 30 U
M.O./Cartg/00.144 A

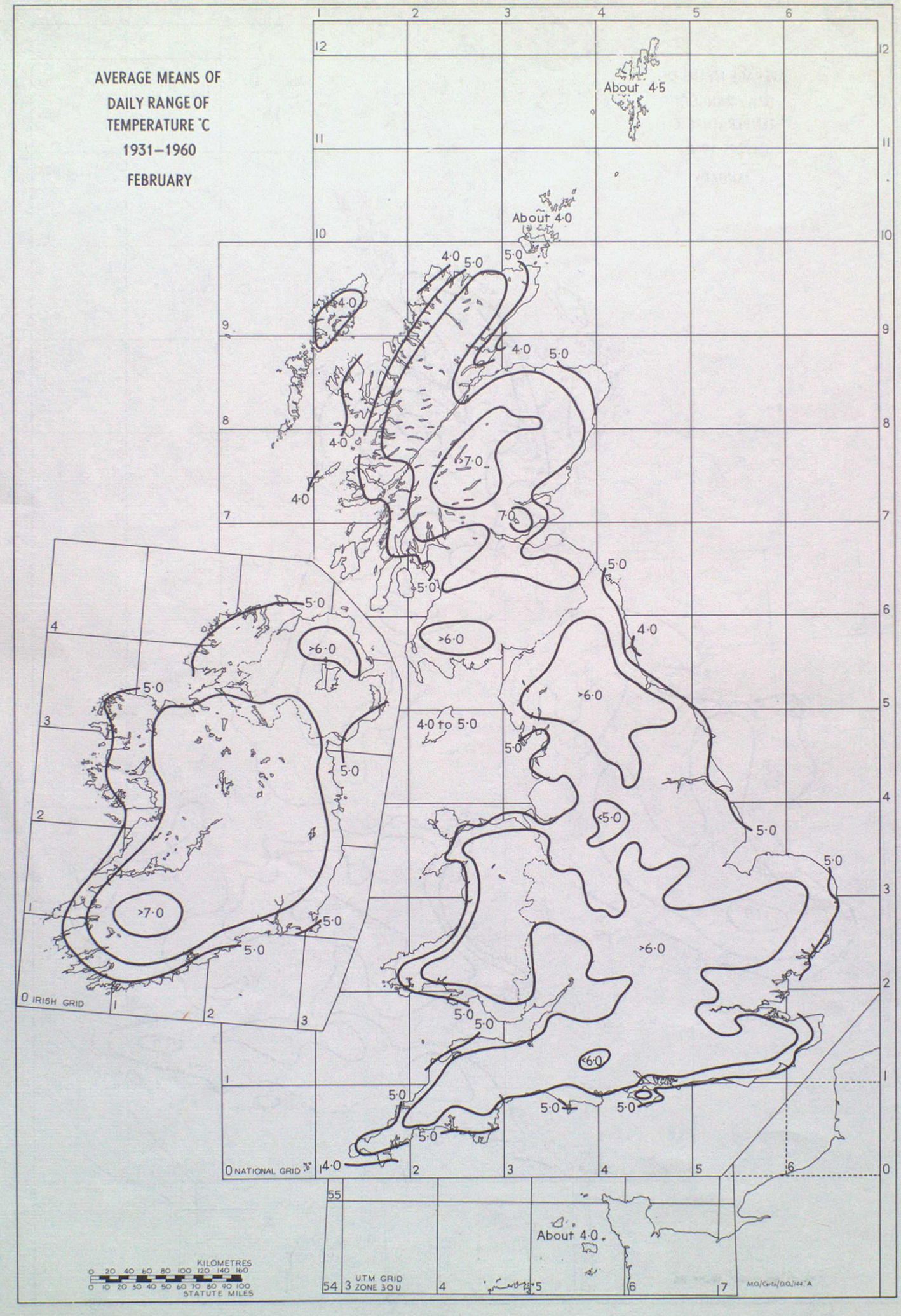

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
OCTOBER
About 8·5
About 9·0
9·5 to 10·0
9·5
10·0
<9·0
About 10·5
<9·5
10·5
9·5
10·5
11·0
10·5
11·0 to 11·5
11·0
11·5
11·0
11·5
11·0
<10·0
11·0
11·5
11·0
11·5
11·5 12·0
12·0
12·5
11·5 to 12·5
12·5
About 13·0
About 13·5
O IRISH GRID
O NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Cartg/D.O./144. A

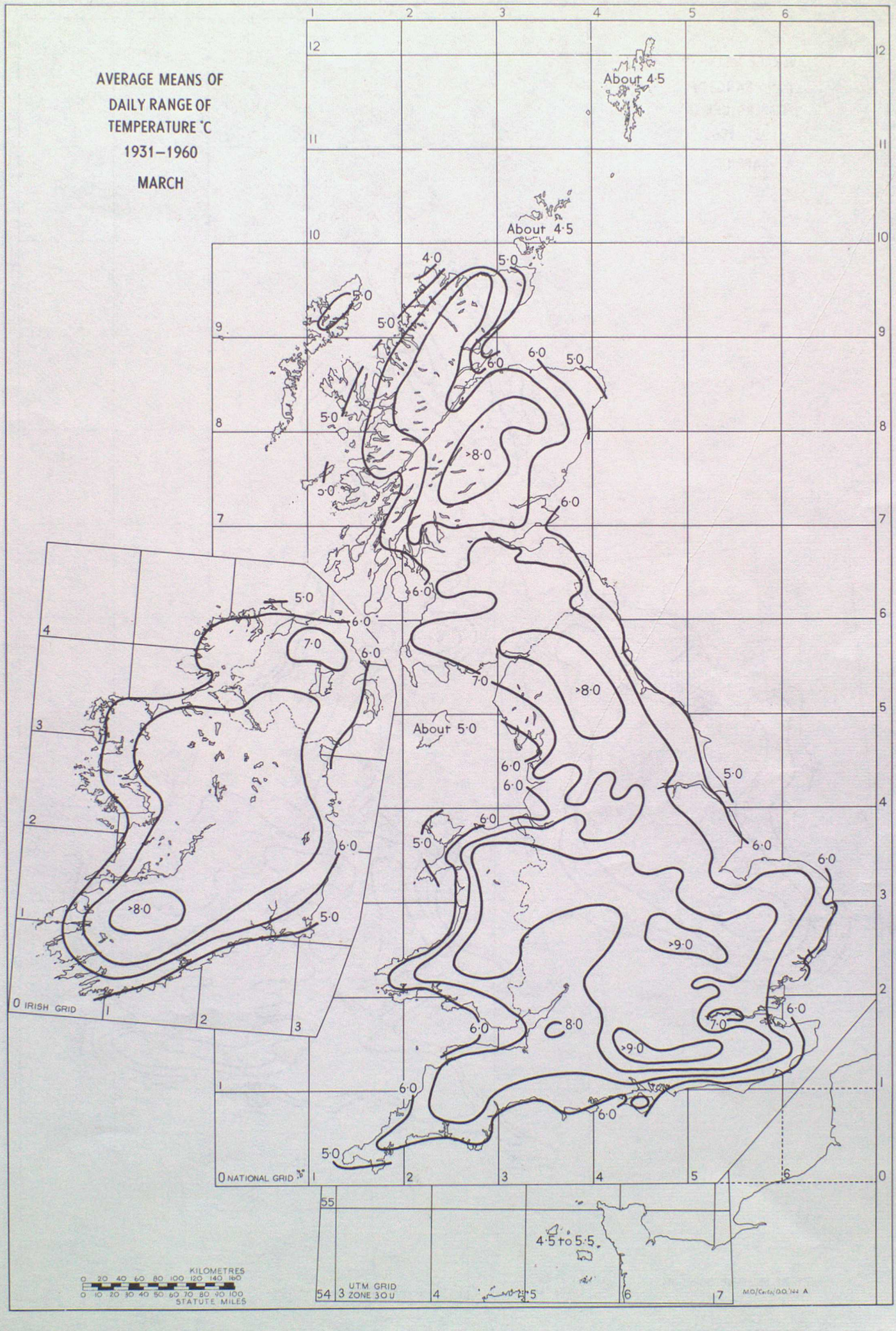

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
NOVEMBER
About 6·5
About 7·0
6·5
7·0 to 7·5
6·5
<6·0
7·5
to
8·0
6·5
8·0
7·5
7·0
<6·5
7·5
7·0
7·5
8·0
7·5
About 8·5
8·0
8·5
8·0
7·5
8·5
9·0
8·0
9·5
9·0
8·0 to 9·0
9·0
8·5
9·5
About
10·5
10·0
10·0 to 10·5
O IRISH GRID
O NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Cartg/D.O./144/A

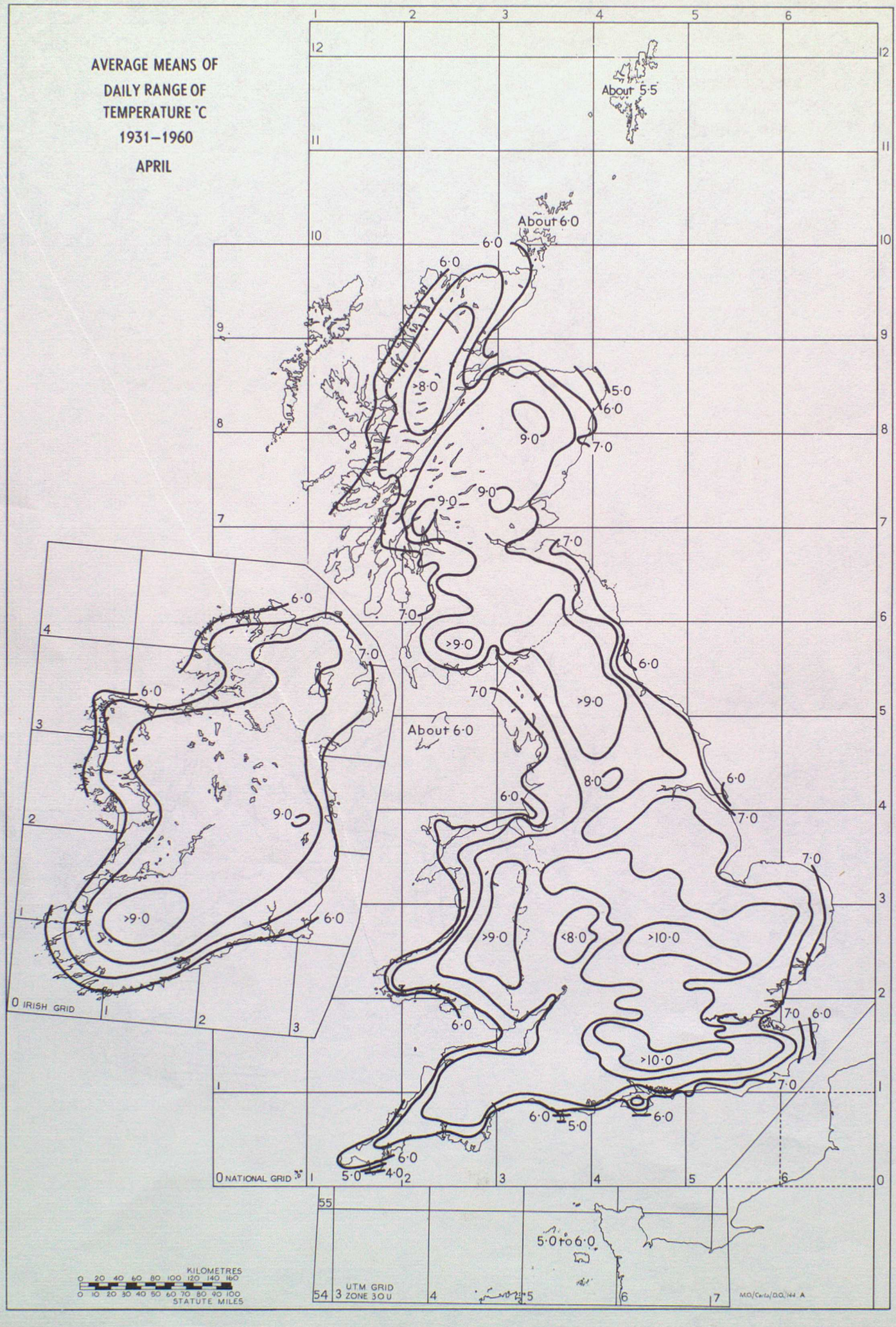

AVERAGE MEANS OF
DAILY MEAN
TEMPERATURE °C
1931–1960
REDUCED TO M.S.L.
DECEMBER
About 5·5
About 5·5
5·5 5·0
6·0
5·5
to
6·0
6·0
4·5
<4·0
6·0
to
6·5
4·5
5·0
6·0
<4·5
5·0
5·5
5·5
6·5
7·0
<5·0
6·0
5·0
5·5
6·5 to 7·0
5·5
6·5
7·0
6·5
6·0
5·0
7·0
7·5
<5·5
5·5
6·0
<5·0
7·0
7·0
6·5
5·5 to 7·5
8·0
7·5
About 9·0
8·5
8·0 to 8·5
0 IRISH GRID
0 NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
UTM GRID
ZONE 30U
54
55
M.O./Carto/DQ./144/A

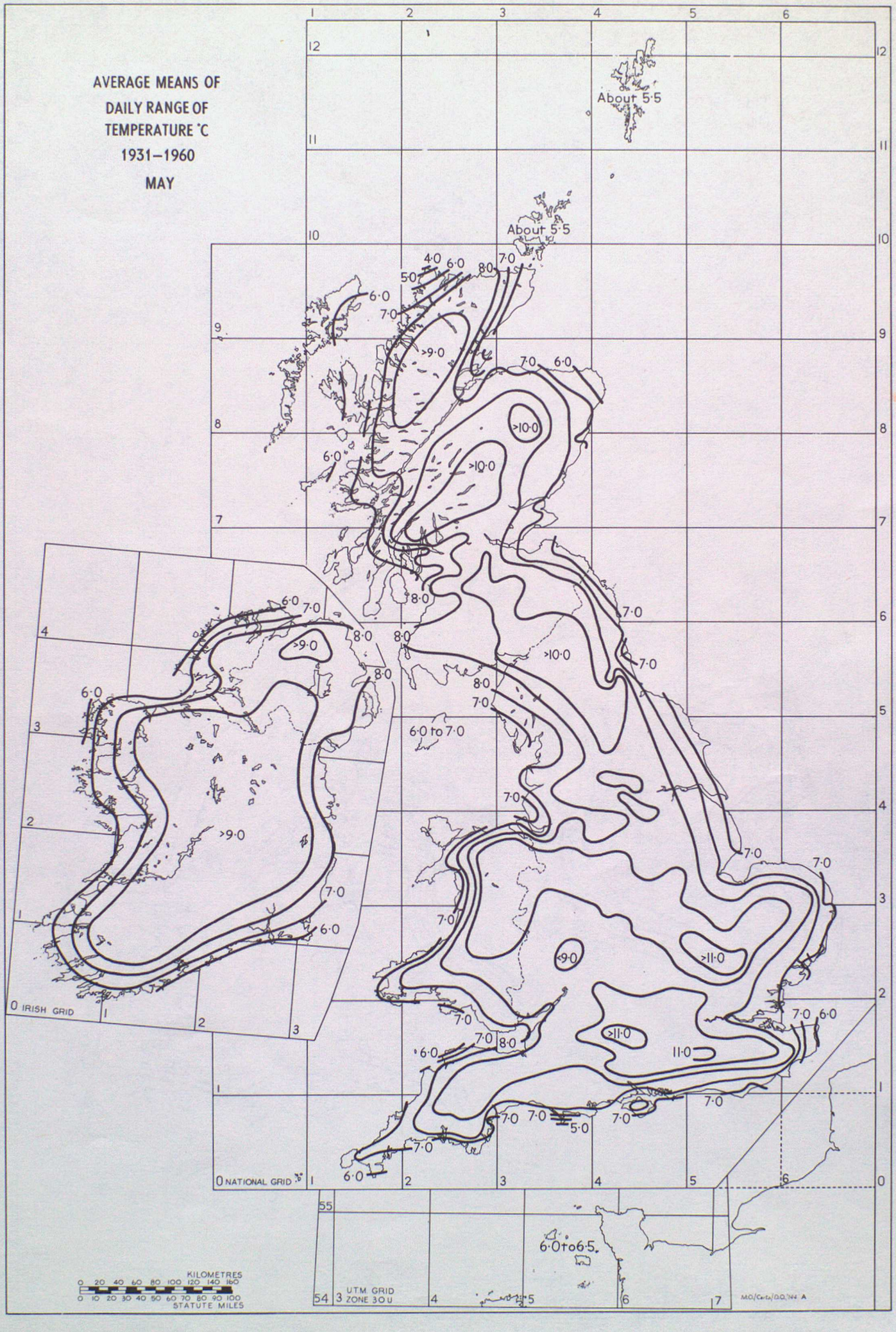

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
YEAR
4·5 to 5·0
About 4·5
4·0
5·0
6·0
>8·0
>7·0
7·0
About 5·0
8·0
>9·0
4·5 to 5·5
O IRISH GRID
O NATIONAL GRID
U.T.M. GRID
3 ZONE 30 U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Cartn/OO./144 A

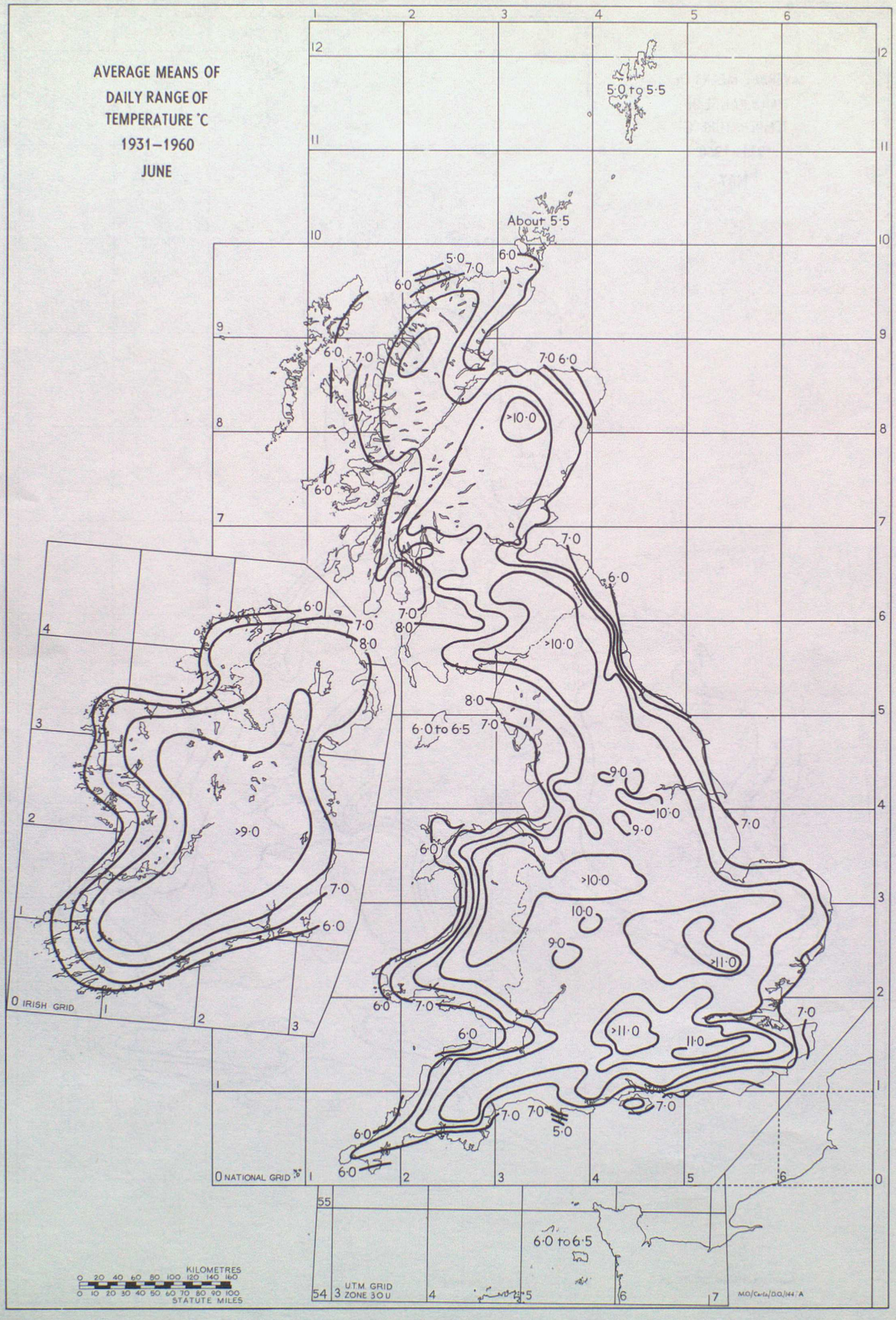

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
JANUARY
About 4·0
About 3·5
4·0
>7·0
5·0
>6·0
About 4·0
6·0
3·5 to 4·0
O IRISH GRID
O NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
U.T.M. GRID
ZONE 30U
MO/Cartg/DO/144/A

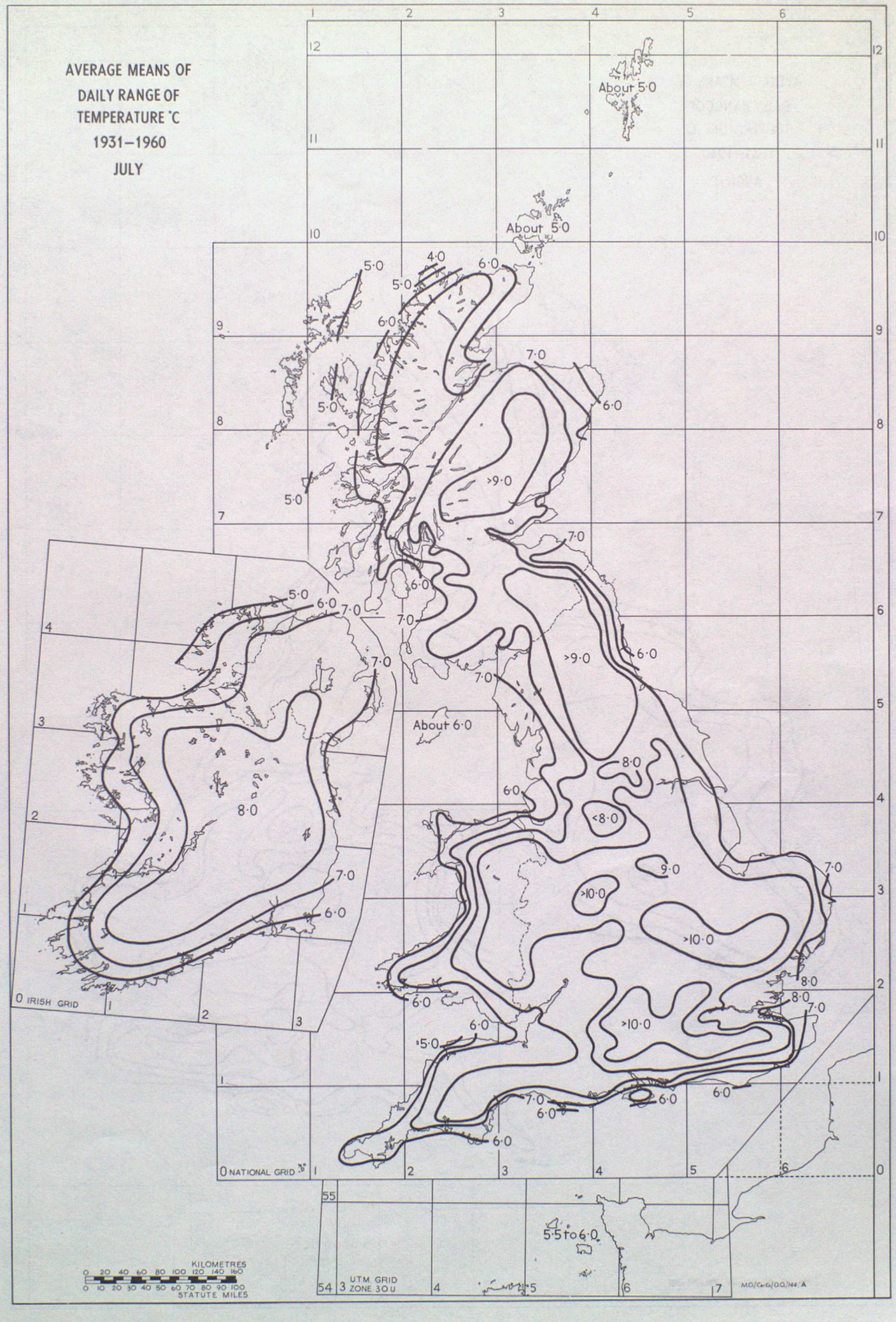

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
FEBRUARY
About 4·5
About 4·0
4·0
5·0
>7·0
>6·0
4·0 to 5·0
<5·0
<6·0
About 4·0
0 IRISH GRID
0 NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
U.T.M. GRID
ZONE 30U
M.O./Cartn/D.O./144 'A'

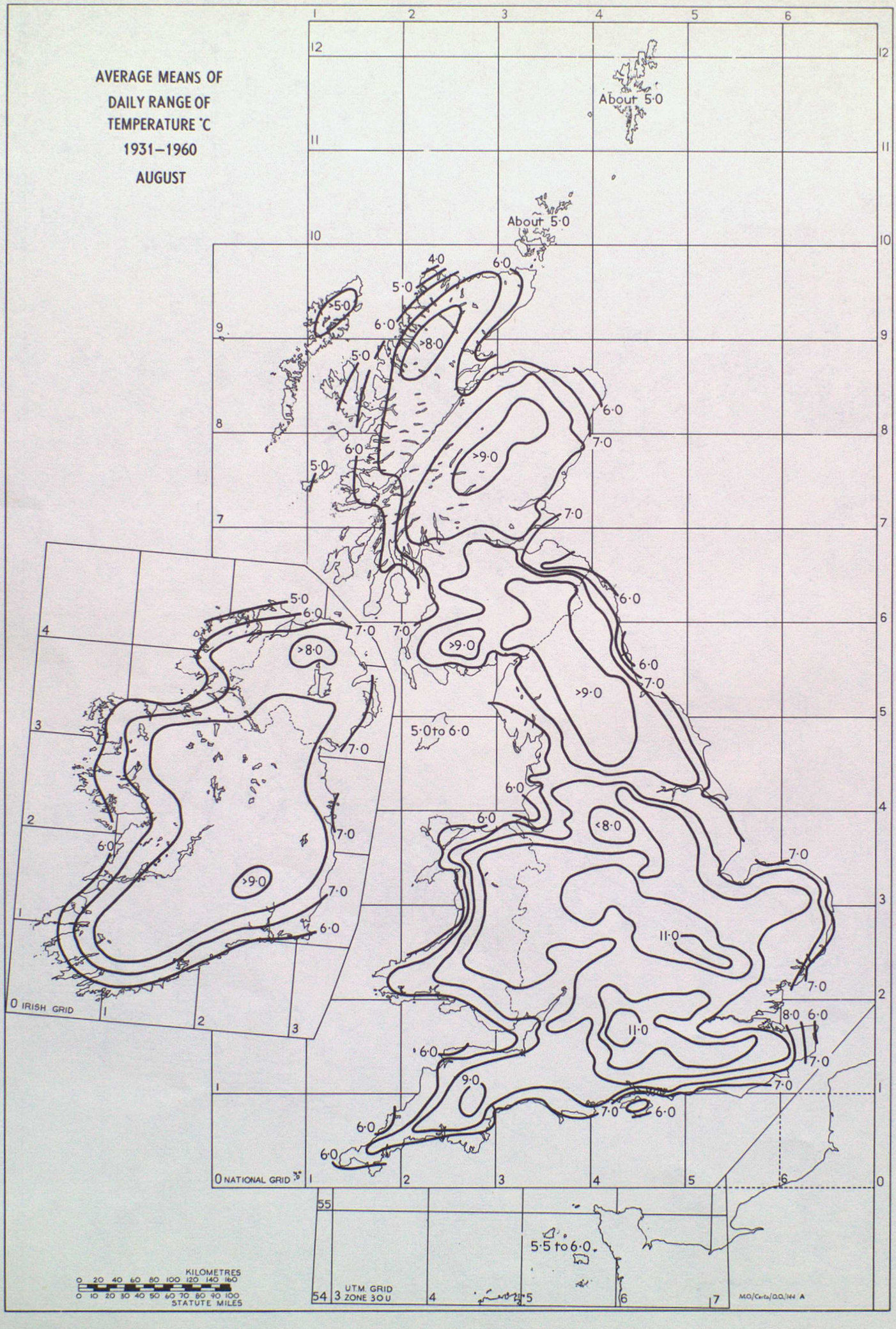

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
MARCH
About 4·5
About 4·5
About 5·0
4·0
5·0
6·0
7·0
>8·0
>9·0
4·5 to 5·5
O IRISH GRID
O NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES

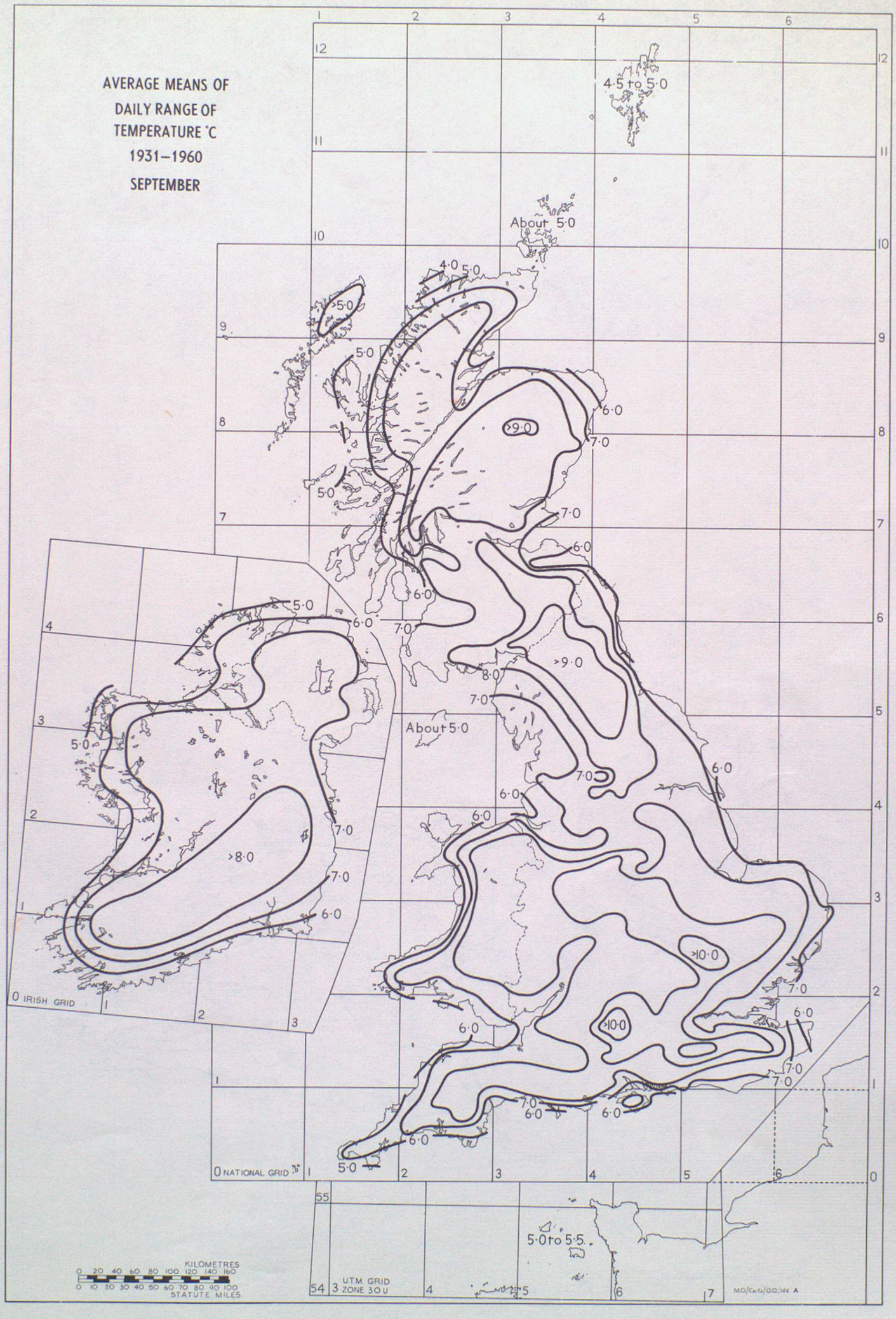

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
APRIL
About 5·5
About 6·0
About 6·0
6·0
6·0
>8·0
5·0
6·0
9·0
7·0
9·0
9·0
7·0
7·0
>9·0
6·0
7·0
>9·0
8·0
6·0
6·0
7·0
7·0
6·0
7·0
9·0
>9·0
6·0
>9·0
<8·0
>10·0
6·0
7·0
6·0
>10·0
7·0
6·0
5·0
6·0
6·0
5·0
4·0
5·0 to 6·0
0 IRISH GRID
0 NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
MO/Cmls/DO/144 A

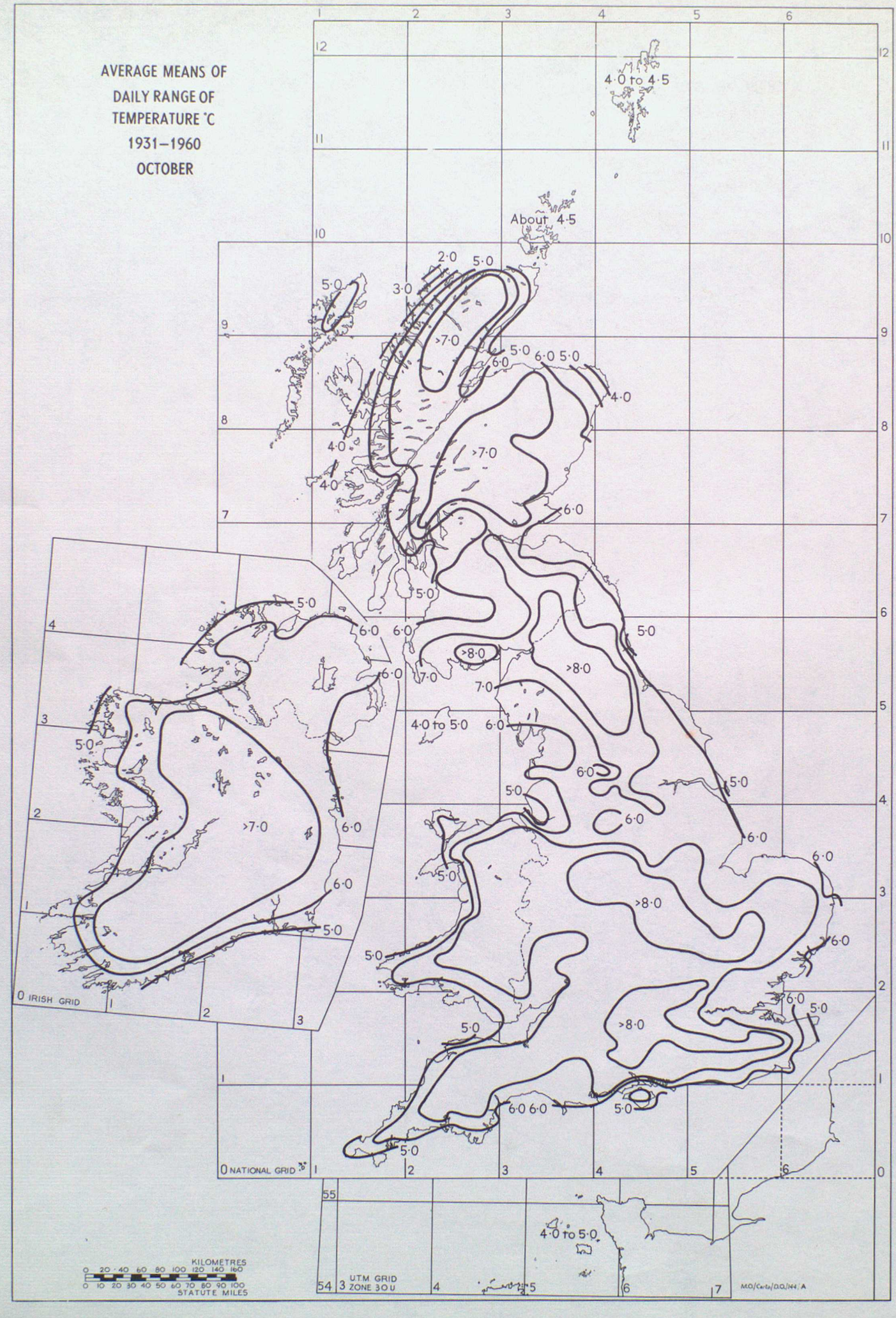

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
MAY
About 5·5
About 5·5
4·0
5·0
6·0
7·0
8·0
>9·0
>10·0
>11·0
11·0
6·0 to 7·0
5·0
6·0 to 6·5
O IRISH GRID
O NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES

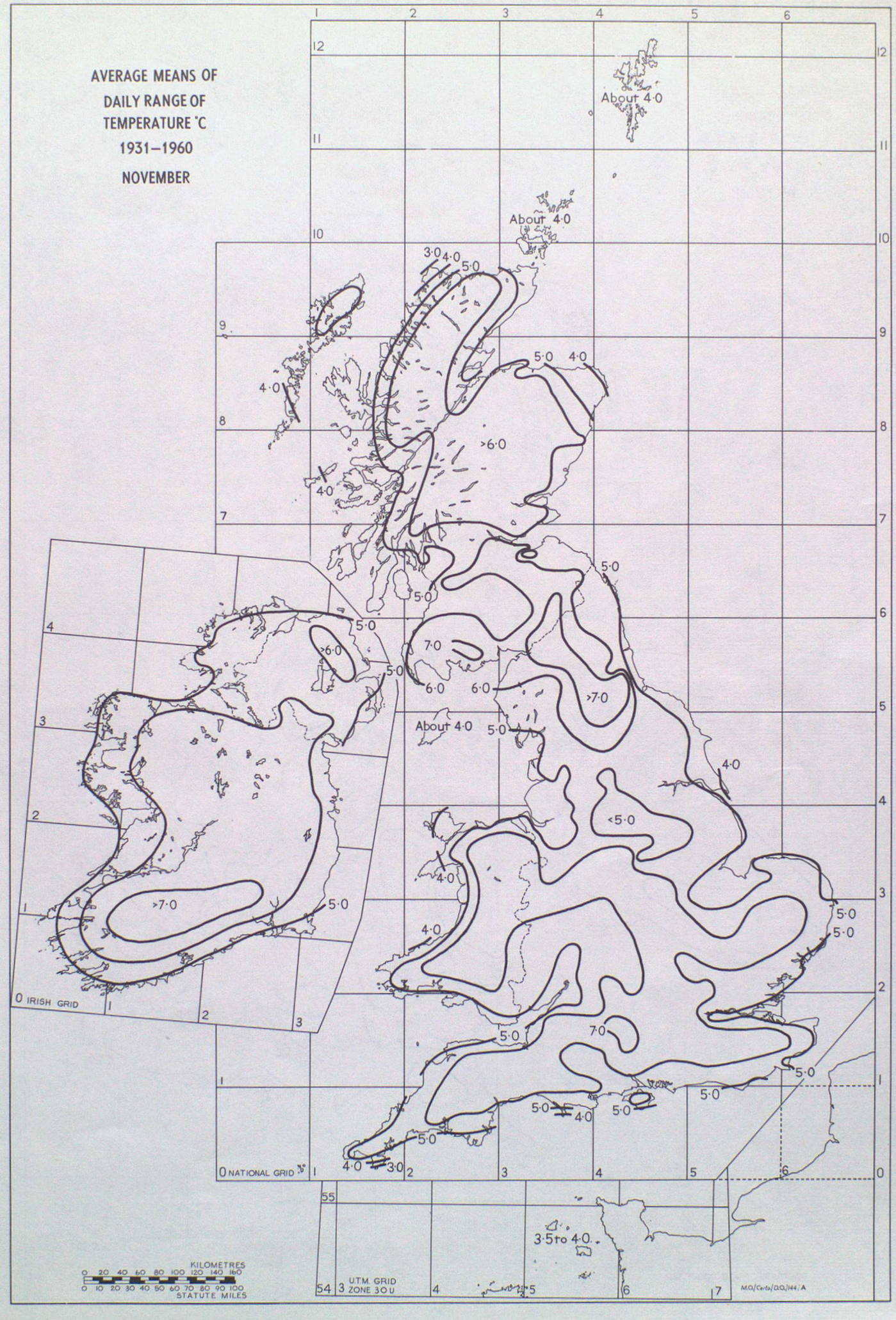

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
JUNE
5·0 to 5·5
About 5·5
5·0
6·0
7·0
>10·0
8·0
6·0 to 6·5
>9·0
9·0
10·0
>11·0
11·0
O IRISH GRID
O NATIONAL GRID
6·0 to 6·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
54 3 UTM GRID ZONE 30U
M.O./Cartg/D.O./144/A

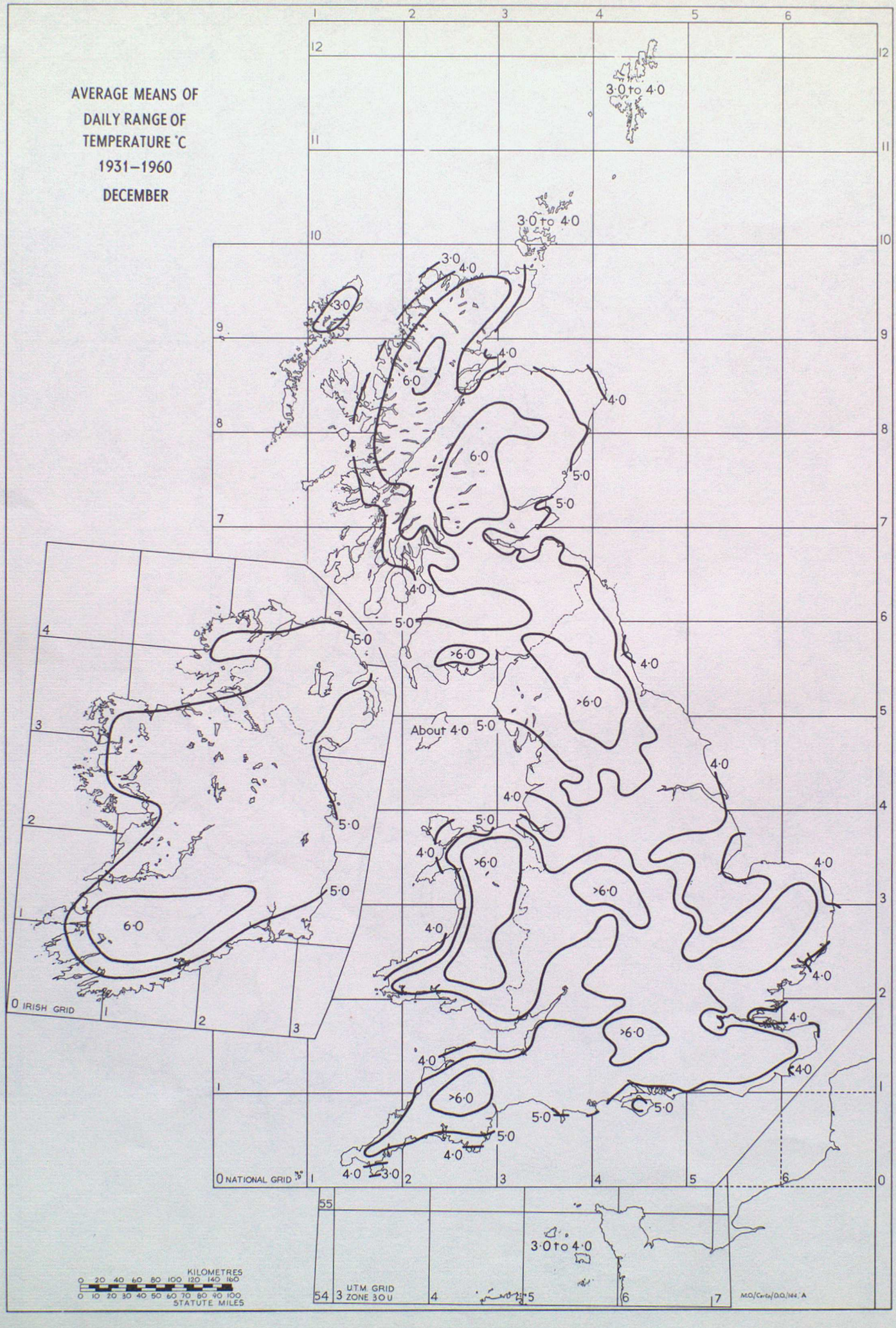

AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
JULY
About 5·0
About 5·0
About 6·0
5·5 to 6·0
>9·0
>9·0
>10·0
>10·0
>10·0
<8·0
8·0
8·0
8·0
9·0
7·0
6·0
5·0
4·0
IRISH GRID
NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
STATUTE MILES


AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
AUGUST
About 5·0
About 5·0
4·0
5·0
6·0
5·0
6·0
>8·0
5·0
6·0
>9·0
7·0
6·0
7·0
5·0
5·0
6·0
7·0
7·0
>9·0
6·0
6·0
7·0
5·0to 6·0
6·0
6·0
<8·0
7·0
7·0
>8·0
>9·0
6·0
11·0
7·0
8·0
6·0
11·0
7·0
6·0
9·0
7·0
7·0
6·0
6·0
6·0
5·5 to 6·0
O IRISH GRID
O NATIONAL GRID
UTM. GRID
ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
MO/Cart/QQ/144 A


AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
SEPTEMBER
4·5 to 5·0
About 5·0
4·0
5·0
>5·0
5·0
6·0
>9·0
7·0
5·0
7·0
6·0
6·0
5·0
6·0
7·0
>9·0
8·0
7·0
About 5·0
5·0
7·0
6·0
6·0
6·0
7·0
>8·0
7·0
6·0
>10·0
7·0
6·0
>10·0
6·0
7·0
7·0
7·0
6·0
6·0
6·0
5·0
O IRISH GRID
O NATIONAL GRID
5·0 to 5·5
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
54 3 U.T.M. GRID ZONE 30 U
M.O./Cartg/20.0/144 A


AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
OCTOBER
4·0 to 4·5
About 4·5
2·0
5·0
3·0
>7·0
6·0
4·0
>8·0
7·0
4·0 to 5·0
>8·0
5·0
6·0
4·0 to 5·0
O IRISH GRID
O NATIONAL GRID
UTM GRID
ZONE 30 U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
M.O./Cartg/D.O./144/A


AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
NOVEMBER
About 4·0
About 4·0
3·0
4·0
5·0
4·0
5·0
4·0
>6·0
4·0
5·0
5·0
5·0
7·0
>6·0
6·0
6·0
>7·0
About 4·0
5·0
4·0
<5·0
4·0
>7·0
5·0
4·0
5·0
5·0
7·0
5·0
5·0
5·0
5·0
4·0
5·0
4·0
3·0
3·5 to 4·0
O IRISH GRID
O NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
54 3 U.T.M. GRID ZONE 30 U
M.O./Cart/D.O./144/A


AVERAGE MEANS OF
DAILY RANGE OF
TEMPERATURE °C
1931–1960
DECEMBER
3·0 to 4·0
3·0 to 4·0
3·0
4·0
3·0
4·0
6·0
4·0
6·0
5·0
5·0
4·0
5·0
5·0
>6·0
4·0
>6·0
About 4·0 5·0
4·0
4·0
5·0
4·0
>6·0
>6·0
4·0
5·0
5·0
6·0
4·0
4·0
>6·0
4·0
4·0
5·0
5·0
4·0
4·0
3·0
3·0 to 4·0
0 IRISH GRID
0 NATIONAL GRID
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES
UTM GRID
ZONE 30U
M.O./Cartg/D.O./144. A